
Department of Environmental Quality

Heating Equipment Usage Study – 2003 Shoshone County

November 2003

Summary Report



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Methodology

Background and Objectives

Idaho's Department of Environmental Quality (DEQ) is responsible for the preservation of Idaho's air quality and the protection of public health through the regulation of air pollution of concern. The Air Quality Division performs monitoring and data collection, permitting, technical assistance, and, when necessary, compliance or enforcement activities. Air quality staff works with local communities, industry and other local, state, and federal agencies on a regular basis to develop and implement plans to improve air quality in the state.

In 1990, DEQ conducted research in Idaho's Silver Valley. The purpose of this survey was to gain a complete understanding of heating equipment usage in the region. This research effort was replicated in 2003 to determine what, if any, changes have occurred in these key measures over time.

The Summary Report contains the following:

- A detailed project methodology, including weighting specifications
- Summary of findings, including:
 - Frequencies for Shoshone County 2003 data; comparisons to 1991 data
 - Project study materials
- Post coding, including:
 - A verbatim list of "other" and open-end responses

Data Collection

Method of Contact and Sample Management

Northwest Research Group utilized Sawtooth Software's **Ci3 CATI** (Computer Assisted Telephone Interviewing) for data collection and sample management. The questionnaire and accompanying logic program were entered into a computer program. Interviewers then read the questionnaire directly from the computer screen and entered the data directly into a data file. Interviewers keyed data for closed-response questions directly into the computer as respondents answered each question. The questionnaire programming automatically controlled out-of-range responses. Interviewers typed in verbatim responses to questions with an "other" category.

All interviewers assigned to the project attended a project briefing / training session. The project briefings were given by a Project Manager from Northwest Research Group, Inc. or by NWRG's field supervisors. The sessions included: the purpose of the study, a discussion of issues and technical information specific to the study, and a question-by-question analysis.

Sampling Period

Telephone interviewing occurred between Monday, September 15, 2003 and Thursday, October 2, 2003. A pre-test was conducted on September 9, 2003 in which 32 interviews were completed. These pre-test interviews are not included in the final data. The bulk of the interviewing was completed Pacific Standard Time Monday through Friday (4:00 - 9:00 p.m.) and 1 p.m.-9 p.m. on Saturday and Sunday. A limited number of shifts were scheduled during weekday daytime hours to reach those individuals who work different schedules.

Northwest Research Group's Project Managers and Field Services Managers continually monitored data collection. Daily interviewing was supervised with a supervisor to interviewer ratio of 1:8. Each interviewer was monitored through a complete interview at least once every shift. As part of the monitoring process, supervisors completed a question-by-question analysis of the interview and reviewed the call with the interviewer.

A supervisor was immediately available to handle any questions that arose during an interview. Call records and the data were reviewed daily to ensure that sample specifications were met and data quality was maintained.

Questionnaire

Development

The questionnaire used a closed-end single and multiple response question format. In those situations where all possible responses were not known, an "other" category was included. The responses to the "other" categories (and verbatim responses to the open-ended question) are contained at the end of this report.

Northwest Research Group programmed the survey into Sawtooth Software Ci3 System, a state-of-the-art computer-assisted interviewing package. Interviewing with Ci3 offers

many advantages over the traditional pen-and-paper interviewing and data entry methods, including:

- Complete control of what the interviewer sees
- Automatic skip or branch patterns based on previous answers, combinations of answers, or even mathematical computations performed on answers
- Randomization of response categories or question order, thereby eliminating response order bias
- Ability to incorporate mathematical computations
- Customized questionnaires using respondents' previous responses
- Incorporation of data from the sample directly into the sample database

Screeners

- Trained interviewers screened respondents to ensure that they met the definition of a qualified respondent.
- Qualified respondents consisted of residents of Shoshone County, defined as head of the household who have one or more of the following heating fuel sources in the home, garage, or workshop:
 - Electrical heating equipment
 - Heating equipment or steam boiler using natural gas, propane, fuel oil, or kerosene
 - Wood burning equipment
 - Coal or pellet burning equipment

Content

Following is a list of question topics included in the survey instrument:

- Heating fuel sources (electrical, equipment using natural gas, propane, etc., wood burning equipment, and coal or pellet burning equipment)
- Ownership of heating equipment
- Heating equipment specifics – age, installation, how many, etc.
- Future purchasing intent of heating equipment
- Use of heating equipment (e.g., times of day, how long, winter versus summer, weekends versus weekdays)
- Type of fuel used for heating equipment (coal, wood, etc.)
- Average heating bills / costs
- Respondent demographics and household characteristics

A total of up to 114 questions was included in the questionnaire. The survey averaged 10 minutes with a standard deviation of 3.96 minutes.

Sampling

Sampling Frame

RDD sample was purchased from Scientific Telephone Sample, a national sampling company.

Note: This method of sampling differs from that used in 1991 where respondents were randomly selected from local telephone books.

Sample Representation of Population

The sampling design used for the 2003 Heating Equipment Usage Survey is based on the principles of probability sampling – a method of random sampling in which each member of the population has a known, nonzero probability of being included. The sample used is a state-based probability sample in which all households with telephones had a chance of being included in the study.

When data are used without weights, each record counts the same as any other record. Implicit in such use are the assumptions that each record has an equal selection probability and that non-coverage and non-response are equal among all segments of the population. When deviations from these assumptions are large enough to affect the results obtained from a data set, weighting each record appropriately can help to adjust for assumption violations. An additional, but conceptually unrelated, reason for weighting is to make the total number of cases equal to some desired number, for example the number of persons age 18 and older in the state population. Post stratification serves as a blanket adjustment for non-coverage and non-response and forces the total number of cases to equal population estimates for each geographic stratum. Finally, data must be weighted when a disproportionate stratified sampling method is used.

Base Weight

The base weight reflects the probability of a household being selected for an interview. There are two factors that could potentially affect the probability of a household with a telephone being selected for the sample.

- The first factor addresses the increase in the number of households with two or more telephone lines. Current national estimates are that 25 percent of households have more than one line, and that number is growing dramatically. In the Heating Equipment Usage Survey, 12 percent of all households surveyed had two or more telephone lines.

The basic premise of sampling is that each household has an equal and known probability of being selected. Households with multiple telephone lines violate this principle as they have a greater probability of being selected than do single-line households. In addition, households with multiple telephone lines are typically more affluent than single-line households, introducing a potential bias into the sample itself as more affluent households then have a greater probability of being represented in the sample. To make this adjustment, respondents were asked the number of phone lines in a household and the likelihood of answering them.

This weight, called NPH, is the inverse of the number of residential telephone numbers that are not used strictly for non-voice communications, in the respondent's household.

- The second factor addresses the number of households without any working telephone. According to the Census (supplemental survey), 3.8 percent of households in Shoshone County do not have a working telephone and hence has a zero probability of selection. A question was included in the survey asking if at any point in 2002, the household was without telephone service – 9.6 percent of households surveyed did not have telephone service at some point in 2002. Research suggests that these households can serve as a proxy for those households without any working telephone.

Post Stratification Weight

Data are then weighted further to adjust for any over-representation or under-representation of any single record through post stratification weighting. This method adjusts the distribution of the sample data so that, collectively, it reflects all households in the sampled area. The post stratification weight is calculated by computing the number of households in the state or a region meeting key demographic or socioeconomic characteristics by that of the sample. This factor is then multiplied by the base weight to compute an adjusted, or final-weight, variable. Weighting of the sample adjusts not only for the variation in selection and sampling probability but also for demographic characteristics so that projections can be made from the sample to the total number of households.

At the household level two key characteristics are used in the weighting to ensure representativeness of the final sample:

- Region – The sample design called for disproportionate stratified sampling by region, with an approximately equally number ($n = 360$) of households interviewed in each county. At a minimum, an adjustment would be needed to make the final sample distribution proportionate to the number of households in any given region. In addition, household characteristics vary significantly by region. Therefore, adjustments by the remaining characteristics are always done at the regional level.
- Household Size – While the base household weight does adjust for the number of adults in the household, research has suggested that single person

households are often underrepresented in the final sample as those households with more adults have a higher probability of being at home at any given time than do households with a single occupant.

Final Household Weights

Two final weights are then computed using the above weights:

- **Expansion Weight (HHWGTEXP):** Multiply the base weight times the post stratification weight. This is the case's expansion weight, which indicates the number of households in Shoshone County that case represents. This weight is available in the data file if DEQ wishes to expand the survey findings to the entire county of interest –Shoshone County.
- **Relative Weight (HHWGTREL):** To weight the cases back to the sample size, a second weight is calculated for each case by multiplying the expansion weight by the total number of cases in the sample and then dividing that product by the number of households in the population.

Note: All banner tabulations and frequencies are run using the Relative Weight. Due to the application of this weighting process, the number of respondents answering a question may not be a whole number – percents and frequencies are rounded to the nearest whole number. Note that some percentages in this report may add up to more or less than 100 percent (frequencies may add up to more or less than the total number responding) because of rounding, the permissibility of multiple responses for specific questions, or the presentation of abbreviated data.

Sample Disposition

- Effective Study Incidence = 89%. $(\text{Qualified Respondents}^{(1)} / [\text{Qualified Respondents}^{(1)} + \text{Unqualified Respondents}^{(2)}])$
- Response Rate = 32%. $([\text{Completed Interviews}^{(6)} + \text{Unqualified Respondents}^{(2)} + \text{Respondents Terminated}^{(3)} + \text{Respondents Refused}^{(4)} + \text{Callback Interviews}^{(7)} + \text{Mid-Terminated Interviews}^{(8)}] / [(\text{Attempted Sample} - \text{Numbers No Longer Available}^{(5)})])$
- Cooperation Rate = 44%. $([\text{Qualified Respondents}^{(1)} + \text{Unqualified Respondents}^{(2)} + \text{Respondents Terminated}^{(3)} - \text{Mid-Terminated Interviews}^{(8)}] / [\text{Qualified Respondents}^{(1)} + \text{Unqualified Respondents}^{(2)} + \text{Respondents Terminated}^{(3)} + \text{Respondents Refused}^{(4)}])$
- Completion Rate = 12%. $(\text{Completed Interviews}^{(6)} / [\text{Attempted Sample} - \text{Numbers No Longer Available}^{(5)}])$

Final Sample Disposition Report

Disposition	Total Sample	% Of Sample
No Answer	869	11.3%
Busy	324	4.2%
Answering Machine	541	7.1%
Disconnected / Nonworking ⁽⁵⁾	928	12.1%
Initial Refusal ⁽⁴⁾	831	10.8%
Final Refusal ⁽⁴⁾	254	3.3%
Never Call ⁽⁴⁾	47	0.6%
Screener Refusal ⁽⁴⁾	2	0.0%
Communication Barrier ⁽³⁾	20	0.3%
Language Barrier - Non-English / Non-Spanish ⁽³⁾	0	0.0%
Callback Introduction ⁽¹⁾	180	2.3%
Privacy Manager ⁽⁴⁾	0	0.0%
Business ⁽²⁾	133	1.7%
Verified Disconnect ⁽⁵⁾	256	3.3%
Language Barrier - Spanish ⁽³⁾	1	0.0%
Fast Busy	2375	31.0%
Interview In Progress ^{(1) (7)}	1	0.0%
Mid-Terminate ^{(1) (8)}	37	0.5%
No Adult in Household/No One Over the Age of 18/Kid's Line ⁽²⁾	7	0.1%
Out of Area - Not Within Specified Counties ⁽²⁾	63	0.8%
Not Qualified - "Other" Fuel Source ⁽²⁾	0	0.0%
OQ County-Shoshone County ⁽²⁾	0	0.0%
Not Qualified - Summer / Retirement Home ⁽²⁾	32	0.4%
Complete Interview ^{(1) (6)}	763	10.0%
Sample attempted	7664	100.0%

Sample Maintenance

All sampling and call management, including scheduling of callbacks, call dispositions, quota controls, etc. was handled by Northwest Research Group's Ci3 CATI (computer-assisted telephone interviewing) networked system.

In addition to the survey administration, Ci3 CATI managed calling, quota control and callbacks; monitored call dispositions; consolidated data; and tracked interviewer productivity throughout the study. At the beginning of the study the sample information was entered into the computer and each phone number was assigned a sample number. Ci3 CATI tracked the sample number throughout the project. Ci3 CATI runs on a local area network (LAN) to allow information exchange and to coordinate activities among workstations.

The benefits of Ci3 CATI are numerous:

- Questionnaires are administered exactly as intended, skip patterns are executed exactly as intended, answers are within range and constant sum questions add up correctly.
- Answers are entered directly into the computer, keypunching is eliminated and data analysis can start immediately.
- The computer handles call record keeping automatically, allowing the interview facility to operate more efficiently.
- Callbacks are handled by the computer and made according to schedule.

Northwest Research Group employed the following methods of contact and dialing protocol:

- Numbers, which had scheduled callbacks, were given precedence in the sample.
- For each number dialed, interviewers reviewed a complete call history that detailed the number of attempts made to a particular number and the status of the last attempt.
- Busy numbers were kept in the active queue and retried within 10 minutes of the first dialing.
- Numbers with a respondent no answer or with an answering machine were returned to the sample to be tried at a later time. These numbers were returned randomly at different days and times. Up to five callbacks were made on different days and at different times to reduce bias resulting from non-response due to respondent unavailability and busy numbers.
- Callback appointments were made with respondents who qualified and/or agreed to complete the survey but were not available for the required length of time. These numbers took precedence over all other calls and were automatically returned to the interviewer at the appointed time.

Survey Results - Frequencies

Shoshone County

Heating Equipment Used

SCR1.1 Which Of The Following Heating Sources Do You Have In Your Home, Garage, Or Workshop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Electrical Heating Equipment	102	46.7	46.7	46.7
	2 Natural Gas, Propane, Fuel Oil, Or Kerosene	102	46.8	46.8	93.4
	3 Wood Burning Equipment	14	6.3	6.3	99.8
	4 Coal Or Pellet Burning Equipment	1	.2	.2	100.0
	Total	218	100.0	100.0	

SCR1.2 Which Of The Following Heating Sources Do You Have In Your Home, Garage, Or Workshop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Electrical Heating Equipment	3	1.2	2.1	2.1
	2 Natural Gas, Propane, Fuel Oil, Or Kerosene	50	22.8	42.0	44.2
	3 Wood Burning Equipment	61	28.0	51.6	95.8
	4 Coal Or Pellet Burning Equipment	5	2.3	4.2	100.0
	Total	118	54.3	100.0	
Missing	System	100	45.7		
Total		218	100.0		

SCR1.3 Which Of The Following Heating Sources Do You Have In Your Home, Garage, Or Workshop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3 Wood Burning Equipment	24	11.0	87.9	87.9
	4 Coal Or Pellet Burning Equipment	3	1.5	12.1	100.0
	Total	27	12.5	100.0	
Missing	System	191	87.5		
Total		218	100.0		

SCR1.4 Which Of The Following Heating Sources Do You Have In Your Home, Garage, Or Workshop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	5 Others Including Solar Or Geothermal	1	.3	100.0	100.0
Missing	System	217	99.7		
Total		218	100.0		

Overall – Which Of The Following Heating Sources Do You Have In Your Home, Garage, Or Workshop?

Category label	Code	Count	Pct of Responses	Pct of Cases
Electrical Heating Equipment	1	104	28.6	47.8
Natural Gas, Propane, Fuel Oil, Or Keros	2	152	41.7	69.6
Wood Burning Equipment	3	99	27.1	45.3
Coal Or Pellet Burning Equipment	4	9	2.4	4.0
Others Including Solar Or Geothermal	5	1	.2	.3
		-----	-----	-----
Total responses		364	100.0	167.1

0 missing cases; 218 valid cases

- Note: For the 1991 "level" data, responses were added together to calculate "percent of cases" so as to allow comparison to the 2003 data. This is applied throughout the report.
- In comparing respondents' current ownership of heating sources to that illustrated in the 1991 data for Shoshone County (examining percent of cases), significantly fewer respondents have electrical heating equipment – 48% currently as compared to 59% in 1991, however significantly more respondents currently own natural gas, propane, fuel oil, or kerosene burning equipment – 70% as compared to 59% in 1991. In addition,

significantly fewer respondents own wood burning equipment than in 1991 – 45% compared to 59%.

Electrical Equipment

E1.1 You Mentioned Owning Some Electrical Heating Equipment. Would That Be...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Electric Furnace	27	12.4	25.9	25.9
	2 Heat Pump	1	.2	.5	26.5
	3 Baseboard Heaters	41	18.9	39.6	66.0
	4 Space Heaters	27	12.6	26.3	92.3
	5 Other Electrical Heating Equipment	3	1.4	2.9	95.2
	7 Wall Heater	5	2.3	4.8	100.0
	Total	104	47.8	100.0	
Missing	System	114	52.2		
Total		218	100.0		

E1.2 You Mentioned Owning Some Electrical Heating Equipment. Would That Be...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Electric Furnace	0	.2	3.7	3.7
	3 Baseboard Heaters	3	1.3	28.6	32.3
	4 Space Heaters	5	2.2	47.7	80.0
	5 Other Electrical Heating Equipment	1	.2	5.2	85.2
	7 Wall Heater	1	.7	14.8	100.0
	Total	10	4.6	100.0	
Missing	System	208	95.4		
Total		218	100.0		

E1.3 You Mentioned Owning Some Electrical Heating Equipment. Would That Be...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Heat Pump	1	.5	81.9	81.9
	4 Space Heaters	0	.1	18.1	100.0
	Total	1	.7	100.0	
Missing	System	217	99.3		
Total		218	100.0		

E1.4 You Mentioned Owning Some Electrical Heating Equipment. Would That Be...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Electric Furnace	1	.5	100.0	100.0
Missing	System	217	99.5		
Total		218	100.0		

Overall – You Mentioned Owning Some Electrical Heating Equipment. Would That Be...?

Category label	Code	Count	Pct of Responses	Pct of Cases
Electric Furnace	1	29	24.5	27.4
Heat Pump	2	2	1.5	1.6
Baseboard Heaters	3	44	37.7	42.3
Space Heaters	4	32	27.7	31.1
Other Electrical Heating Equipment	5	4	3.1	3.5
Wall Heater	7	6	5.5	6.2
		-----	-----	-----
Total responses		117	100.0	112.2

114 missing cases; 104 valid cases

- Over two-fifths (42%) of respondents report owning baseboard heaters – a drop from the 52% in 1991. Note this decrease is not significant.
- Nearly one-third (31%) of respondents own space heaters – similar to 1991.
- As compared to 1991, there is an increase in the number of respondents who currently own electric furnaces (27% as compared to 24% in 1991), however this increase is not significant.

E2A Do You Consider Your Electric Furnace To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Heat Source	19	8.8	66.8	66.8
	2 Back-Up Heat Source	10	4.4	33.2	100.0
	Total	29	13.1	100.0	
Missing	System	189	86.9		
Total		218	100.0		

- Of those respondents owning electric furnaces, 67% consider their electric furnace to be their main heat source – up from 49% in 1991, however this increase is not significant.
- One-third (33%) of respondents consider their electric furnace to be their back-up heat source – down from 51% in 1991, however this decrease is not significant.

E2B Do You Consider Your Heat Pump To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Back-Up Heat Source	1	.5	69.4	69.4
	9 Don't Know / Refused	1	.2	30.6	100.0
	Total	2	.8	100.0	
Missing	System	216	99.2		
Total		218	100.0		

E2C Do You Consider Your Baseboard Heaters To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Heat Source	17	8.0	39.4	39.4
	2 Back-Up Heat Source	27	12.2	60.0	99.4
	9 Don't Know / Refused	0	.1	.6	100.0
	Total	44	20.2	100.0	
Missing	System	174	79.8		
Total		218	100.0		

- Of those respondents owning baseboard heaters, 39% consider their baseboard heaters to be their main heat source – down from 44% in 1991, however this decrease is not significant.
- Three-fifths (60%) of respondents consider their baseboard heaters to act as their back-up heat source – down from 56% in 1991, however this decrease is not significant.

E3C Do You Have More Than One Baseboard Heater In Your Home, Garage, Or Workshop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	34	15.7	77.4	77.4
	2 No	10	4.6	22.6	100.0
	Total	44	20.2	100.0	
Missing	System	174	79.8		
Total		218	100.0		

- The majority of respondents (77%) have more than one baseboard heater – down from 1991 where 88% of respondents reported having more than one baseboard heater. Note this decrease is not significant.

E4C How Many Baseboard Heaters Do You Have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	10	4.6	22.6	22.6
	2	6	2.7	13.3	35.9
	3	8	3.8	19.0	54.9
	4	6	2.9	14.2	69.0
	5	6	2.8	13.8	82.9
	6	3	1.2	5.8	88.6
	7	4	1.6	8.1	96.8
	8	1	.2	1.2	98.0
	12	1	.2	1.2	99.2
	15	0	.2	.8	100.0
	Total	44	20.2	100.0	
Missing	System	174	79.8		
Total		218	100.0		

- Households reporting the use of baseboard heaters have 4 baseboard heaters on average.

RE4C Recoded - How Many Baseboard Heaters Do You Have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Two	6	2.7	17.2	17.2
	2.00 Three Or More	28	13.0	82.8	100.0
	Total	34	15.7	100.0	
Missing	System	184	84.3		
Total		218	100.0		

E5C How Old Do You Estimate Your Baseboard Heaters To Be?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	3	1.2	6.0	6.0
	3	1	.2	1.2	7.2
	4	2	.8	3.9	11.0
	5	2	1.1	5.4	16.4
	6	1	.3	1.7	18.1
	8	1	.2	1.2	19.3
	10	5	2.2	11.0	30.3
	12	1	.2	1.2	31.5
	13	1	.5	2.7	34.2
	14	1	.2	1.2	35.4
	15	2	.7	3.6	39.0
	18	1	.2	1.2	40.2
	20	7	3.2	15.9	56.1
	24	1	.3	1.7	57.8
	25	4	1.7	8.5	66.3
	26	1	.6	2.9	69.1
	27	2	.8	3.9	73.0
	30	3	1.2	5.7	78.7
	33	1	.2	1.2	79.9
	34	1	.3	1.7	81.6
	98 Don't Know	8	3.7	18.4	100.0
	Total	44	20.2	100.0	
Missing	System	174	79.8		
Total		218	100.0		

- The average baseboard heater in Shoshone County is 16 years old.

E2D Do You Consider Your Space Heaters To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Heat Source	6	2.6	17.6	17.6
	2 Back-Up Heat Source	26	12.0	80.8	98.4
	9 Don't Know / Refused	1	.2	1.6	100.0
	Total	32	14.9	100.0	
Missing	System	186	85.1		
Total		218	100.0		

- Most (81%) respondents consider their space heaters to be their back-up heat source -- down from 95% in 1991. Note this difference is not statistically significant.

E2E Do You Consider Your Other Electric Heating Equipment To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Heat Source	6	2.6	56.9	56.9
	2 Back-Up Heat Source	4	2.0	43.1	100.0
	Total	10	4.6	100.0	
Missing	System	208	95.4		
Total		218	100.0		

Gas, Propane, Fuel Oil, Or Kerosene

1.1 You Mentioned Owning Some Gas, Propane, Fuel Oil, Or Kerosene Equipment. Would That Be...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Natural Gas Furnace	116	53.0	76.1	76.1
	2 Gas Fireplace	5	2.1	3.1	79.2
	3 Propane Furnace	12	5.5	7.9	87.1
	4 Fuel Oil Furnace	7	3.3	4.7	91.9
	5 Kerosene Heaters	2	.7	1.0	92.9
	6 Steam Boiler Using Gas, Oil, Propane, Or Kerosene	3	1.2	1.7	94.6
	7 Other Gas, Propane, Oil, Kerosene	8	3.5	5.1	99.7
	9 Don't Know / Refused	1	.2	.3	100.0
	Total	152	69.6	100.0	
Missing	System	66	30.4		
Total		218	100.0		

H1.2 You Mentioned Owning Some Gas, Propane, Fuel Oil, Or Kerosene Equipment. Would That Be...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Natural Gas Furnace	2	.8	16.7	16.7
	2 Gas Fireplace	5	2.3	45.7	62.3
	3 Propane Furnace	0	.1	2.4	64.7
	5 Kerosene Heaters	1	.6	11.6	76.3
	6 Steam Boiler Using Gas, Oil, Propane, Or Kerosene	1	.2	4.8	81.1
	7 Other Gas, Propane, Oil, Kerosene	2	1.0	18.9	100.0
	Total	11	5.0	100.0	
Missing	System	207	95.0		
Total		218	100.0		

Overall – You Mentioned Owning Some Gas, Propane, Fuel Oil, Or Kerosene Equipment. Would That Be...?

Category label	Code	Count	Pct of Responses	Pct of Cases
Natural Gas Furnace	1	117	72.0	77.4
Gas Fireplace	2	10	5.9	6.4
Propane Furnace	3	12	7.5	8.1
Fuel Oil Furnace	4	7	4.4	4.7
Kerosene Heaters	5	3	1.9	2.0
Steam Boiler Using Gas, Oil, Propane, Or	6	3	1.9	2.0
Other Gas, Propane, Oil, Kerosene	7	10	6.0	6.4
Don't Know / Refused	9	1	.3	.3
		-----	-----	-----
Total responses		163	100.0	107.4

66 missing cases; 152 valid cases

- In comparing respondents' current ownership of gas, propane, fuel oil, or kerosene equipment to that shown in the 1991 data for Shoshone County (examining percent of cases), more respondents report having natural gas furnaces – 77% currently as compared to 72% in 1991, however this difference is not statistically significant.
- Significantly more respondents currently own gas fireplaces – 6% as compared to 1% in 1991. In addition, significantly more respondents own propane furnaces than in 1991 – 8% compared to 2% in 1991.
- Significantly fewer respondents currently own fuel oil furnaces – 5% as compared to 16% in 1991.

H2A Do You Consider Your Natural Gas Furnace To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	98	45.1	83.8	83.8
	2 Back-Up Source	18	8.4	15.6	99.4
	9 Don't Know / Refused	1	.3	.6	100.0
	Total	117	53.8	100.0	
Missing	System	101	46.2		
Total		218	100.0		

- Similar to 1991, the majority (84%) of respondents consider their natural gas furnace to be their main source of heating – a small decrease from 89% in 1991.

H2B Do You Consider Your Gas Fireplace To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	4	1.9	43.0	43.0
	2 Back-Up Source	6	2.5	57.0	100.0
	Total	10	4.4	100.0	
Missing	System	208	95.6		
Total		218	100.0		

- Due to the small sample sizes in both 1991 and 2003, comparisons are not made.

H2C Do You Consider Your Propane Furnace To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	6	2.8	50.3	50.3
	2 Back-Up Source	6	2.8	49.7	100.0
	Total	12	5.6	100.0	
Missing	System	206	94.4		
Total		218	100.0		

- Due to the small sample sizes in both 1991 and 2003, comparisons are not made.

H2D Do You Consider Your Fuel Oil Furnace To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	5	2.3	70.7	70.7
	2 Back-Up Source	2	1.0	29.3	100.0
	Total	7	3.3	100.0	
Missing	System	211	96.7		
Total		218	100.0		

- Due to the small sample sizes in 2003, comparisons are not made to 1991.

H2E Do You Consider Your Kerosene Heaters To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Back-Up Source	3	1.4	100.0	100.0
Missing	System	215	98.6		
Total		218	100.0		

- Due to the small sample sizes in both 1991 and 2003, comparisons are not made.

H2F Do You Consider Your Steam Boiler To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	3	1.2	82.8	82.8
	2 Back-Up Source	1	.2	17.2	100.0
	Total	3	1.4	100.0	
Missing	System	215	98.6		
Total		218	100.0		

- Due to the small sample sizes in both 1991 and 2003, comparisons are not made.

H2G Do You Consider Your Other Gas, Propane, Oil, Kerosene Equipment To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	8	3.5	78.8	78.8
	2 Back-Up Source	1	.6	12.6	91.4
	9 Don't Know / Refused	1	.4	8.6	100.0
	Total	10	4.5	100.0	
Missing	System	208	95.5		
Total		218	100.0		

Residential Wood Burning Equipment

WOODSTOV Do You Own A Wood Stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	73	33.5	73.9	73.9
	2.00 No	26	11.8	26.1	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- Nearly three-fourths (74%) of respondents report owning a wood stove – this is up from 70% in 1991. Note this difference is not significant.

FIREPLAC Do You Own A Fireplace?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	14	6.2	13.8	13.8
	2.00 No	85	39.1	86.2	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- Significantly fewer respondents report owning a fireplace – 14% as compared to 28% in 1991.

FIREINST Do You Own A Fire Insert Stove?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	15	6.7	14.7	14.7
	2.00 No	84	38.6	85.3	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- Only 15% of respondents report owning a fireplace insert stove – down from 19% in 1991.

WOODFURN Do You Own A Wood Furnace?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Yes	2	1.0	2.1	2.1
	2.00 No	97	44.3	97.9	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- Only 2% of respondents report owning a wood furnace – down from 4% in 1991.

Wood Stoves

!A Do You Consider Your Wood Stove To Be Your Main Source Of Heating, Or Does Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	45	20.7	61.7	61.7
	2 Back-Up Source	25	11.4	34.0	95.7
	9 Don't Know / Refused	3	1.4	4.3	100.0
	Total	73	33.5	100.0	
Missing	System	145	66.5		
Total		218	100.0		

- Similar to 1991, about three-fifths of respondents owning a wood stove consider the wood stove to be their main source of heating – 62% compared to 59% in 1991.

W3A Do You Have More Than One Wood Stove In Your Garage, Home, Or Workshop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	16	7.2	21.6	21.6
	2 No	57	26.3	78.4	100.0
	Total	73	33.5	100.0	
Missing	System	145	66.5		
Total		218	100.0		

- 22% of respondents report that they own more than one wood stove – up from 15% reported in 1991. Note this difference is not significant.

W4A How Many Wood Stoves Do You Have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	57	26.3	78.4	78.4
	2	15	7.0	20.8	99.3
	3	1	.2	.7	100.0
	Total	73	33.5	100.0	
Missing	System	145	66.5		
Total		218	100.0		

- Households reporting the use of wood stoves have 1 wood stove on average.

RW4A Recoded - How Many Wood Stoves Do You Have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Two	15	7.0	96.7	96.7
	2.00 Three Or More	1	.2	3.3	100.0
	Total	16	7.2	100.0	
Missing	System	202	92.8		
Total		218	100.0		

- Significantly fewer respondents report having more than 2 wood stoves – 3% as compared to 10% in 1991.

W7A Was The Wood Stove New When You Purchased It?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	33	15.2	45.3	45.3
	2 No	22	10.2	30.5	75.8
	3 Came With House	12	5.4	16.1	92.0
	4 Made It / Built It Myself	3	1.6	4.8	96.8
	8 Don't Know	2	1.1	3.2	100.0
	Total	73	33.5	100.0	
Missing	System	145	66.5		
Total		218	100.0		

- Considering only those who purchased a wood stove (yes / no / don't know), 57% indicate that the wood stove was new when it was purchased – a significant decrease from 85% in 1991.
- Of those respondents owning a wood stove, 5% built it.

W8A Is Your Existing Wood Stove Certified By The E.P.A.?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes - Certified	34	15.8	47.1	47.1
	2 No - Not Certified	8	3.6	10.7	57.9
	3 Not Sure - Maybe Certified	10	4.6	13.8	71.6
	4 Not Sure - Maybe Not	9	4.0	12.0	83.6
	8 Don't Know	12	5.5	16.4	100.0
	Total	73	33.5	100.0	
Missing	System	145	66.5		
Total		218	100.0		

- Of those respondents owning a wood stove, nearly half (47%) indicate their wood stove is certified by the E.P.A. – up from 37% in 1991.
- Significantly fewer respondents indicate their wood stove is not certified by the E.P.A. – 11% as compared to 29% in 1991.

Overall – What Is the Brand Name Of Your Wood Stove?

Category label	Code	Count	Pct of Responses	Pct of Cases
Earth Stove / Earth	1	3	3.9	4.1
Quadrafire	2	1	1.4	1.4
Fisher	3	11	13.8	14.6
Blaze King	4	7	9.0	9.5
Country	5	2	2.1	2.2
Hurricane	6	4	5.8	6.1
New Englander	7	2	2.9	3.0
Lopi	8	1	.7	.7
Doesn't Say / No Name On Stove / No Bran	9	5	6.8	7.1
Homemade / Built By Friend Or Self	10	15	19.6	20.7
Other	11	15	19.4	20.5
Don't Know / Refused	99	11	14.7	15.4
		-----	-----	-----
Total responses		77	100.0	105.3

145 missing cases; 73 valid cases

- Of those respondents owning wood stoves, the most cited brand name is Fisher. However, 21% stated that their wood stoves are homemade – similar to 1991 (18%).

W9A Who Installed Your Wood Stove? Did You...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Install It Yourself, Have Help From A Friend Or Relative	47	21.6	64.5	64.5
	2 Dealer Or Professional Install It	8	3.7	11.2	75.7
	3 Other	6	2.8	8.4	84.1
	8 Don't Know	12	5.3	15.9	100.0
	Total	73	33.5	100.0	
Missing	System	145	66.5		
Total		218	100.0		

- Of those wood stoves installed, only 11% were installed by a dealer or professional – similar to 1991 (10%). Most (65%) report installing their wood stoves or having help from a friend or relative – down from 70% in 1991.

W6A How Old Do You Estimate Your Wood Stove To Be?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	3	1.4	4.2	4.2
	2	2	.7	2.2	6.4
	3	2	.8	2.5	8.8
	4	2	1.0	2.9	11.7
	5	4	1.8	5.5	17.2
	6	2	1.0	2.9	20.1
	7	1	.2	.7	20.8
	8	3	1.5	4.4	25.2
	10	11	5.1	15.1	40.4
	11	1	.2	.7	41.1
	12	1	.6	1.9	43.0
	14	1	.5	1.4	44.4
	15	8	3.5	10.4	54.8
	16	1	.2	.7	55.5
	17	1	.2	.7	56.2
	18	1	.2	.7	56.9
	20	13	5.9	17.5	74.4
	22	1	.6	1.9	76.3
	25	4	2.0	5.9	82.2
	26	1	.5	1.4	83.7
	30	1	.6	1.8	85.5
	32	1	.2	.7	86.2
	35	1	.6	1.7	87.9
	40	2	.7	2.2	90.1
	68	1	.2	.7	90.8
	98 Don't Know	7	3.1	9.2	100.0
	Total	73	33.5	100.0	
Missing	System	145	66.5		
Total		218	100.0		

- The average wood stove in Shoshone County is 15 years old.

Fireplaces

W2B Do You Consider Your Fireplace To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	1	.3	5.5	5.5
	2 Back-Up Source	12	5.5	88.7	94.2
	9 Don't Know / Refused	1	.4	5.8	100.0
	Total	14	6.2	100.0	
Missing	System	204	93.8		
Total		218	100.0		

- Of those respondents owning a fireplace, 6% consider their fireplace to be their main source of heating – down from 9% in 1991.

W3B Do You Have More Than One Fireplace In Your Garage, Home, Or Workshop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	5	2.3	37.1	37.1
	2 No	9	3.9	62.9	100.0
	Total	14	6.2	100.0	
Missing	System	204	93.8		
Total		218	100.0		

- Of those respondents owning a fireplace, 37% report having more than one fireplace – up from 22% in 1991.

W4B How Many Fireplaces Do You Have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	9	3.9	62.9	62.9
	2	5	2.3	37.1	100.0
	Total	14	6.2	100.0	
Missing	System	204	93.8		
Total		218	100.0		

- Households reporting the use of fireplaces have 1 fireplace on average.

RW4B Recoded - How Many Fireplaces Do You Have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Two	5	2.3	100.0	100.0
Missing	System	213	97.7		
Total		218	100.0		

Fireplace Inserts

: Do You Consider Your Fireplace Insert Stove To Be Your Main Source Of Heating Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	5	2.4	35.4	35.4
	2 Back-Up Source	9	4.1	61.0	96.4
	9 Don't Know / Refused	1	.2	3.6	100.0
	Total	15	6.7	100.0	
Missing	System	204	93.3		
Total		218	100.0		

- Of those respondents owning a fireplace insert stove, 35% report this as their main heat source – up from 31% in 1991.

W3C Do You Have More Than One Fireplace Insert Stove In Your Garage, Home, Or Workshop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	1	.5	7.2	7.2
	2 No	13	6.2	92.8	100.0
	Total	15	6.7	100.0	
Missing	System	204	93.3		
Total		218	100.0		

- The majority (93%) of respondents owning a fireplace insert have only one – up from 85% in 1991.

W4C How Many Fireplace Stove Inserts Do You Have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	13	6.2	92.8	92.8
	2	1	.5	7.2	100.0
	Total	15	6.7	100.0	
Missing	System	204	93.3		
Total		218	100.0		

RW4C Recoded - How Many Fireplace Stove Inserts Do You Have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00 Two	1	.5	100.0	100.0
Missing	System	217	99.5		
Total		218	100.0		

W8C Is Your Existing Fireplace Insert Certified By The E.P.A.?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes - Certified	5	2.2	33.0	33.0
	2 No - Not Certified	1	.2	3.6	36.6
	3 Not Sure - Maybe Certified	2	1.1	16.0	52.6
	4 Not Sure - Maybe Not	2	1.1	16.9	69.5
	8 Don't Know	4	2.0	30.5	100.0
	Total	15	6.7	100.0	
Missing	System	204	93.3		
Total		218	100.0		

- One-third (33%) of respondents report that their fireplace insert stoves are certified by the E.P.A. – down from 41% in 1991. However, significantly fewer respondents report that their fireplace insert stoves are not certified – 4% currently as compared to 31% in 1991. Note there is an increase in the percentage of respondents unsure of whether or not their fireplace insert stoves are certified.

W9C Who Installed Your Fireplace Insert Stove? Did You...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Install It Yourself, Have Help From A Friend Or Relative	5	2.4	35.9	35.9
	2 Dealer Or Professional Install It	3	1.3	19.6	55.5
	3 Other	2	1.0	14.5	70.1
	8 Don't Know	4	2.0	29.9	100.0
	Total	15	6.7	100.0	
Missing	System	204	93.3		
Total		218	100.0		

- Over one-third (36%) of fireplace insert stoves are self-installed – down from 49% in 1991.
- 20% are installed by a dealer or professional – down from 31% in 1991.

Wood Furnaces

W2D Do You Consider Your Wood Furnace To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	1	.5	50.0	50.0
	2 Back-Up Source	1	.5	50.0	100.0
	Total	2	1.0	100.0	
Missing	System	216	99.0		
Total		218	100.0		

- Due to the small sample size, comparisons are not made.

D Do You Have More Than One Wood Furnace In Your Garage, Home, Workshop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 No	2	1.0	100.0	100.0
Missing	System	216	99.0		
Total		218	100.0		

- Due to the small sample size, comparisons are not made.

W5D.1 What Is The Brand Name Of Your Wood Furnace?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	10 Homemade / Built By Friend Or Self	1	.2	25.0	25.0
	11 Other	1	.2	25.0	50.0
	99 Don't Know / Refused	1	.5	50.0	100.0
	Total	2	1.0	100.0	
Missing	System	216	99.0		
Total		218	100.0		

- Due to the small sample size, comparisons are not made.

W8D Is Your Existing Wood Furnace Certified By The E.P.A.?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes - Certified	1	.2	25.0	25.0
	2 No - Not Certified	1	.5	50.0	75.0
	8 Don't Know	1	.2	25.0	100.0
	Total	2	1.0	100.0	
Missing	System	216	99.0		
Total		218	100.0		

- Due to the small sample size, comparisons are not made.

W9D Who Installed Your Wood Furnace? Did You...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Install It Yourself, Have Help From A Friend Or Relative	1	.5	50.0	50.0
	2 Dealer Or Professional Install It	1	.2	25.0	75.0
	8 Don't Know	1	.2	25.0	100.0
	Total	2	1.0	100.0	
Missing	System	216	99.0		
Total		218	100.0		

- Due to the small sample size, comparisons are not made.

Burning Cycles Used

N12 On A Typical Saturday Or Sunday, About How Many Hours Do You Use Your Wood Burning Equipment?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 - 3.9 Hours	15	6.7	14.8	14.8
	2 4 - 7.9 Hours	16	7.5	16.6	31.4
	3 8 - 11.9 Hours	14	6.4	14.0	45.4
	4 12 - 15.9 Hours	3	1.3	2.9	48.3
	5 16 - 19.9 Hours	3	1.3	2.9	51.2
	6 20 - 23.9 Hours	10	4.5	10.0	61.2
	7 Continuously	31	14.4	31.7	93.0
	8 Don't Know	7	3.2	7.0	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- Note: Base consists of all respondents owning wood burning equipment.

W12 On A Typical Saturday Or Sunday, About How Many Hours Do You Use Your Wood Burning Equipment?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 - 3.9 Hours	6	16.9	16.9	16.9
	2 4 - 7.9 Hours	9	25.8	25.8	42.7
	3 8 - 11.9 Hours	7	19.7	19.7	62.4
	4 12 - 15.9 Hours	1	2.9	2.9	65.3
	5 16 - 19.9 Hours	1	2.9	2.9	68.1
	6 20 - 23.9 Hours	2	5.6	5.6	73.7
	7 Continuously	4	12.2	12.2	86.0
	8 Don't Know	5	14.0	14.0	100.0
	Total	37	100.0	100.0	

- Note: Base consists of only those respondents burning different amounts of wood on the weekends versus the weekdays (for comparison to 1991).
- On the weekends, respondents are using their wood burning equipment less – with 24% currently burning their wood burning equipment 12 hours a day or more (down from 41% in 1991) and 63% of respondents using their wood burning equipment 8 hours or less a day (up from 58% in 1991).

W14 On A Typical Weekday, About How Many Hours Do You Usually Burn Wood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 - 3.9 Hours	25	11.6	25.5	25.5
	2 4 - 7.9 Hours	15	6.8	15.1	40.6
	3 8 - 11.9 Hours	7	3.3	7.2	47.8
	4 12 - 15.9 Hours	4	1.6	3.6	51.5
	5 16 - 19.9 Hours	3	1.3	2.9	54.4
	6 20 - 23.9 Hours	10	4.5	9.8	64.2
	7 Continuously	29	13.2	29.1	93.3
	8 Don't Know	7	3.0	6.7	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- Note: Base consists of all respondents owning wood burning equipment.

W14 On A Typical Weekday, About How Many Hours Do You Usually Burn Wood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 - 3.9 Hours	17	45.2	45.2	45.2
	2 4 - 7.9 Hours	7	17.8	17.8	63.1
	3 8 - 11.9 Hours	2	5.0	5.0	68.1
	4 12 - 15.9 Hours	1	2.9	2.9	71.0
	5 16 - 19.9 Hours	1	1.4	1.4	72.4
	6 20 - 23.9 Hours	2	5.2	5.2	77.6
	7 Continuously	2	6.5	6.5	84.1
	8 Don't Know	6	15.9	15.9	100.0
	Total	37	100.0	100.0	

- Note: Base consists of only those respondents burning different amounts of wood on the weekdays versus the weekends (for comparison to 1991).
- During the week, respondents are using their wood burning equipment less – with 16% currently burning their wood burning equipment 12 hours a day or more (down from 29% in 1991) and 68% of respondents using their wood burning equipment 8 hours or less a day (up from 65% in 1991).

W16 On An Average Day, About How Many Hours Do You Burn Wood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 - 3.9 Hours	21	9.5	21.0	21.0
	2 4 - 7.9 Hours	16	7.4	16.4	37.4
	3 8 - 11.9 Hours	11	4.9	10.9	48.3
	4 12 - 15.9 Hours	2	1.1	2.4	50.6
	5 16 - 19.9 Hours	2	.8	1.9	52.5
	6 20 - 23.9 Hours	9	4.1	9.1	61.6
	7 Continuously	30	13.9	30.6	92.1
	8 Don't Know	8	3.6	7.9	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- On average, nearly one-third (31%) of respondents burn wood continuously throughout the day – down significantly from 45% in 1991.
- Nearly half (48%) of respondents burn wood less than 12 hours a day – up significantly from 27% in 1991.

Pellet Stoves

C1.1 You Mentioned That You Own Some Coal Or Pellet Burning Equipment. Would That Be A...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Pellet Stove, Or Other Pellet Burning Equipment	8	3.8	94.0	94.0
	5 Other Type Of Coal Or Pellet Burning Equipment	1	.2	6.0	100.0
	Total	9	4.0	100.0	
Missing	System	209	96.0		
Total		218	100.0		

C2A Do You Consider Your Pellet Stove To Be Your Main Source Of Heating, Or Does It Work As A Back-Up Source?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Main Source	6	2.8	74.5	74.5
	2 Back-Up Source	2	1.0	25.5	100.0
	Total	8	3.8	100.0	
Missing	System	210	96.2		
Total		218	100.0		

- Of those respondents owning a pellet stove, three-fourths (75%) consider their pellet stove to be their main heat source – up from 70% in 1991.

C6A Approximately How Many Tons Of Pellets Did You Use This Winter (Winter 2002)?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	2	1.0	25.5	25.5
	2	2	1.0	27.2	52.7
	3	1	.5	12.8	65.5
	4	1	.2	6.4	71.9
	99 Don't Know / Refused	2	1.1	28.1	100.0
	Total	8	3.8	100.0	
Missing	System	210	96.2		
Total		218	100.0		

- The average household in Shoshone County burned 2 tons of pellets during the winter of 2002 – similar to the amount of pellets burned in 1991.

C12 On A Typical Saturday Or Sunday, About How Many Hours Do You Use Your Pellet Burning Equipment?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 - 3.9 Hours	1	.2	6.4	6.4
	2 4 - 7.9 Hours	1	.2	6.4	12.8
	6 20 - 23.9 Hours	1	.2	6.4	19.1
	7 Continuously	5	2.3	61.7	80.9
	8 Don't Know	2	.7	19.1	100.0
	Total	8	3.8	100.0	
Missing	System	210	96.2		
Total		218	100.0		

- Note: Base consists of all respondents owning pellet-burning equipment.

C12 On A Typical Saturday Or Sunday, About How Many Hours Do You Use Your Pellet Burning Equipment?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 - 3.9 Hours	1	33.3	33.3	33.3
	8 Don't Know	1	66.7	66.7	100.0
	Total	2	100.0	100.0	

- Note: Base consists of only those respondents burning different amounts of pellets on the weekends versus the weekdays.
- Due to small sample size, comparisons are not made to 1991.

C14 On A Typical Weekday, About How Many Hours Do You Usually Use Your Pellet Burning Equipment?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 - 3.9 Hours	1	.2	6.4	6.4
	2 4 - 7.9 Hours	1	.2	6.4	12.8
	5 16 - 19.9 Hours	1	.2	6.4	19.1
	6 20 - 23.9 Hours	1	.2	6.4	25.5
	7 Continuously	5	2.1	55.4	80.9
	8 Don't Know	2	.7	19.1	100.0
	Total	8	3.8	100.0	
Missing	System	210	96.2		
Total		218	100.0		

- Note: Base consists of all respondents owning pellet-burning equipment.

C14 On A Typical Weekday, About How Many Hours Do You Usually Use Your Pellet Burning Equipment?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 - 3.9 Hours	1	33.3	33.3	33.3
	8 Don't Know	1	66.7	66.7	100.0
	Total	2	100.0	100.0	

- Note: Base consists of only those respondents burning different amounts of pellets on the weekdays versus the weekends.
- Due to small sample size, comparisons are not made to 1991.

C16 On An Average Day, About How Many Hours Do You Use Your Pellet Burning Equipment?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 0 - 3.9 Hours	1	.2	6.4	6.4
	2 4 - 7.9 Hours	1	.2	6.4	12.8
	6 20 - 23.9 Hours	1	.5	12.8	25.5
	7 Continuously	5	2.3	61.7	87.2
	8 Don't Know	1	.5	12.8	100.0
	Total	8	3.8	100.0	
Missing	System	210	96.2		
Total		218	100.0		

- On average, 62% of respondents owning pellet burning equipment use this equipment continuously throughout the day – up from 56% in 1991.
- Currently, 12% of respondents use their pellet burning equipment less than 8 hours a day – compared to 1991 where all respondents reported using their pellet burning equipment more than 8 hours a day.

Wood Amounts and Usage Habits

V18 About How Many Cords Of Wood Did You Burn This Winter (Winter 2002):

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	31	14.1	31.2	31.2
	2	9	4.0	8.9	40.1
	3	12	5.5	12.1	52.2
	4	8	3.5	7.8	60.0
	5	9	4.1	9.0	68.9
	6	7	3.1	6.9	75.8
	7	4	1.9	4.2	80.0
	8	1	.4	.9	80.9
	9	1	.5	1.1	81.9
	10	3	1.4	3.2	85.1
	11	1	.2	.5	85.7
	12	1	.2	.5	86.2
	14	1	.3	.8	87.0
	98 Don't Know	13	5.9	13.0	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- The average household with wood burning equipment burned 3.5 cords of wood during the winter of 2002 – down from 3.7 cords of wood during the winter of 1991.

W20 About How Many Months Would You Say Your Wood Is Cut Before It Is Used?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	6	2.9	6.4	6.4
	2	11	5.0	10.9	17.4
	3	12	5.4	11.9	29.3
	4	4	1.8	4.0	33.3
	5	5	2.4	5.4	38.6
	6	12	5.3	11.7	50.3
	7	1	.5	1.1	51.4
	8	1	.2	.5	51.9
	10	1	.5	1.1	53.0
	12	13	5.9	13.0	66.0
	15	1	.2	.5	66.6
	18	2	.8	1.7	68.3
	24	3	1.5	3.3	71.6
	30	1	.2	.5	72.1
	32	1	.2	.5	72.6
	36	2	.8	1.8	74.5
	48	1	.2	.5	75.0
	60	1	.7	1.5	76.5
	99 Don't Know / Refused	23	10.7	23.5	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- For the average household with wood burning equipment, wood is cut 9 months before it is used – same as in 1991.

W21 Is Your Wood Split Before It Is Used?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	86	39.5	87.1	87.1
	2 Most Of The Time	2	.8	1.8	88.9
	3 Sometimes / Half Of The Time	3	1.5	3.3	92.3
	4 Not Usually	1	.2	.5	92.8
	5 No	3	1.2	2.6	95.4
	8 Don't Know	4	2.0	4.3	99.7
	9 Refused	0	.1	.3	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- The majority (89%) of respondents split their wood all of the time or most of the time before it is used – similar to 1991 (86%).

W22 About How Many Months Is Your Wood Split Before It Is Used?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	18	8.4	19.9	19.9
	2	8	3.9	9.2	29.1
	3	14	6.2	14.8	43.9
	4	7	3.4	8.0	52.0
	5	5	2.3	5.4	57.3
	6	7	3.4	8.0	65.4
	7	1	.3	.8	66.2
	10	1	.2	.6	66.8
	12	8	3.7	8.9	75.7
	15	1	.2	.6	76.3
	18	1	.2	.6	76.8
	24	3	1.2	2.9	79.8
	32	1	.2	.6	80.3
	36	2	.8	2.0	82.3
	60	1	.6	1.4	83.7
	998 Don't Know	15	6.9	16.3	100.0
	Total	92	42.0	100.0	
Missing	System	126	58.0		
Total		218	100.0		

- For those households that split their wood before it is used, the wood is split, on average, about 7 months before it is used – same as in 1991.

W23 Where Do You Store Your Wood?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Inside Your Home Or Heated Garage	9	4.1	9.0	9.0
	2 In An Enclosed But Unheated Area	25	11.3	24.8	33.8
	3 Outside And Covered	59	27.0	59.5	93.3
	4 Outside And Not Covered	4	1.6	3.6	96.9
	8 Don't Know	3	1.4	3.1	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- Of those respondents owning wood burning equipment, 60% store their wood outside and covered – up significantly from 43% in 1991.
- Fewer respondents are storing their wood inside the home or in a heated garage – 9% as compared to 12% in 1991.
- Fewer respondents are storing their wood in an enclosed unheated area – 25% compared to 33% in 1991.

W28 How Often, If Ever, Do You Use Compressed Wood Logs - Like Presto Logs?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Yes - Sometimes	5	2.3	5.0	5.0
	3 No - Never	92	42.3	93.4	98.3
	8 Don't Know	2	.7	1.7	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- The majority (93%) of respondents never use compressed wood logs – similar to 1991 (92%).

W29 About How Many Compressed Logs Do You Burn Each Winter?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	.2	10.7	10.7
	6	1	.2	10.7	21.5
	8	1	.3	15.1	36.6
	12	1	.4	16.1	52.7
	24	1	.2	10.7	63.4
	30	1	.3	15.1	78.5
	50	1	.2	10.7	89.3
	100	1	.2	10.7	100.0
	Total	5	2.3	100.0	
Missing	System	213	97.7		
Total		218	100.0		

- For those using compressed wood logs, the average household burns 27 compressed logs each winter – significantly more than an average of 8 compressed logs reported in 1991 (note extreme values are causing the large difference).

W24 Do You Cut Your Own Wood, Or Do You Get It Pre-Cut Or 'Delivered'?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Cut Own Wood	57	26.0	57.4	57.4
	2 Buy It Pre-Cut / Delivered	29	13.3	29.3	86.7
	3 Combination Of Above	10	4.6	10.2	96.9
	8 Don't Know	3	1.4	3.1	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- 57% of respondents cut their own wood, while 30% buy it pre-cut / delivered – this is similar to 1991 where 55% of respondents cut their own wood and 31% of respondents bought it pre-cut or delivered.

W25 Do You Burn...?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Soft Wood From Evergreen Trees (Needled)	50	22.9	50.6	50.6
	2 Hard Wood From Trees With Leaves	14	6.2	13.7	64.3
	3 Some Of Both Kinds	27	12.3	27.2	91.5
	8 Don't Know	8	3.9	8.5	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- Over half (51%) of respondents burn soft wood from Evergreen trees – down significantly from 63% in 1991.
- Significantly more respondents report burning hard wood from trees with leaves – 14% compared to 4% in 1991.

W26 Do You Happen To Know The Specific Names Of The Kinds Of Wood You Burn?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	89	40.8	90.0	90.0
	2 No	7	3.0	6.7	96.6
	9 Don't Know / Refused	3	1.5	3.4	100.0
	Total	99	45.3	100.0	
Missing	System	119	54.7		
Total		218	100.0		

- The majority (90%) of respondents are aware of the specific names of the kinds of wood they burn – similar to 89% in 1991.

W27.1 What Specific Kinds Of Wood Do You Burn Most Often?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Cotton Wood	1	.3	.8	.8
	3 Douglas Fir	7	3.0	7.4	8.1
	6 Hemlock	1	.6	1.5	9.7
	8 Tamarack	46	21.0	51.5	61.2
	9 White Pine	8	3.6	8.9	70.1
	10 Other Fir	19	8.9	21.8	91.9
	12 Other Pine	5	2.1	5.2	97.1
	13 Other	3	1.2	2.9	100.0
	Total	89	40.8	100.0	
Missing	System	129	59.2		
Total		218	100.0		

W27.2 What Specific Kinds Of Wood Do You Burn Most Often?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Alder	0	.1	.4	.4
	2 Cotton Wood	1	.2	.8	1.3
	3 Douglas Fir	2	.7	2.5	3.8
	5 Grand Fir	1	.3	1.2	5.0
	6 Hemlock	1	.2	.8	5.9
	8 Tamarack	9	3.9	13.8	19.7
	9 White Pine	11	5.2	18.3	38.0
	10 Other Fir	25	11.6	40.8	78.8
	11 Other Hard Wood	1	.5	1.7	80.5
	12 Other Pine	5	2.4	8.4	88.9
	13 Other	7	3.2	11.1	100.0
	Total	62	28.4	100.0	
Missing	System	156	71.6		
Total		218	100.0		

W27.3 What Specific Kinds Of Wood Do You Burn Most Often?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Cotton Wood	1	.2	2.4	2.4
	3 Douglas Fir	1	.6	5.8	8.2
	5 Grand Fir	1	.4	3.8	12.0
	7 Lodge Pole Pine	1	.4	3.6	15.6
	9 White Pine	8	3.5	34.2	49.8
	10 Other Fir	8	3.5	34.3	84.0
	11 Other Hard Wood	1	.3	3.4	87.4
	12 Other Pine	2	.8	7.8	95.2
	13 Other	1	.5	4.8	100.0
	Total	22	10.1	100.0	
Missing	System	196	89.9		
Total		218	100.0		

W27.4 What Specific Kinds Of Wood Do You Burn Most Often?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Cotton Wood	1	.2	17.2	17.2
	10 Other Fir	1	.3	24.2	41.4
	11 Other Hard Wood	1	.2	17.2	58.6
	13 Other	1	.6	41.4	100.0
	Total	3	1.4	100.0	
Missing	System	215	98.6		
Total		218	100.0		

W27.5 What Specific Kinds Of Wood Do You Burn Most Often?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4 Fruit Trees	1	.2	100.0	100.0
Missing	System	218	99.8		
Total		218	100.0		

Overall – What Specific Kinds of Wood Do You Burn Most Often?

Category label	Code	Count	Pct of Responses	Pct of Cases
Alder	1	0	.1	.3
Cotton Wood	2	2	1.3	2.6
Douglas Fir	3	9	5.3	10.6
Fruit Trees	4	1	.3	.6
Grand Fir	5	2	.9	1.8
Hemlock	6	2	1.1	2.1
Lodge Pole Pine	7	1	.4	.9
Tamarack	8	54	30.8	61.1
White Pine	9	27	15.2	30.2
Other Fir	10	53	30.0	59.5
Other Hard Wood	11	2	1.3	2.6
Other Pine	12	12	6.6	13.0
Other	13	12	6.7	13.3
Total responses		177	100.0	198.6

129 missing cases; 89 valid cases

- The most common kinds of wood burned most often include Tamarack (61%), Other Fir (60%), and White Pine (30%).
- In 1991, the most common cited kinds of wood burned included Tamarack (85%), Douglas Fir (41%), and White Pine (36%).

30 Do You Ever Burn Stuff Like Trash, Newspapers, Or Other Things In Your Heatir Equipment?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 Yes - Newspapers	24	10.8	23.9	23.9
2 Yes - Trash	2	1.1	2.4	26.3
3 Yes - Other	7	3.4	7.5	33.8
4 Yes - Combination Of Above	4	2.0	4.4	38.2
5 No	61	27.9	61.6	99.7
8 Don't Know	0	.1	.3	100.0
Total	99	45.3	100.0	
Missing System	119	54.7		
Total	218	100.0		

- 62% of respondents report that they do not burn trash, newspapers, or other things in their heating equipment – up significantly from 7% in 1991.

Demographic Questions

DEM3 Are You Male Or Female?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 Male	87	40.0	40.0	40.0
2 Female	130	59.7	59.7	99.8
9 Refused	1	.2	.2	100.0
Total	218	100.0	100.0	

DEM4 What Is The Highest Level Of Formal Education You Have Completed?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 Some High School Or Less	28	12.8	12.8	12.8
2 High School Graduate	72	33.1	33.1	45.9
3 Some College / Vocational / Technical	71	32.5	32.5	78.4
4 Four Year College Graduate	28	12.9	12.9	91.3
5 Post-Grad Or Professional Degree	15	7.0	7.0	98.3
9 Don't Know / Refused	4	1.7	1.7	100.0
Total	218	100.0	100.0	

- Over half (53%) of the respondents have some post-educational training – a significant increase compared to 39% in 1991.

FREAGE Age Categories to Match Previous Data

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1.00 17 to 25	6	2.7	2.7	2.7
2.00 26 to 35	21	9.6	9.6	12.3
3.00 36 to 45	39	18.0	18.0	30.2
4.00 46 to 55	40	18.5	18.5	48.7
5.00 56 to 65	54	24.5	24.5	73.3
6.00 66 to 75	35	16.1	16.1	89.4
7.00 76 to 85	16	7.2	7.2	96.6
8.00 86 to 95	2	.9	.9	97.5
9.00 Refused	5	2.5	2.5	100.0
Total	218	100.0	100.0	

- The mean respondent age is 55 years.

DEM6 Which Category Best Describes Your Employment Status?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 Self-Employed	26	11.7	11.7	11.7
2 Employed By A Company Or Corporation	50	23.0	23.0	34.8
3 Employed By A City, State, Or Federal Government Office	23	10.3	10.3	45.1
4 Retired	83	38.1	38.1	83.2
5 Unemployed	26	11.7	11.7	94.9
6 Other	9	4.2	4.2	99.1
9 Don't Know / Refused	2	.9	.9	100.0
Total	218	100.0	100.0	

DEM7A How Many People, Including Yourself, Live In Your Household?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	63	28.9	28.9	28.9
2	86	39.6	39.6	68.5
3	27	12.4	12.4	80.9
4	24	10.8	10.8	91.7
5	11	4.9	4.9	96.6
6	2	.8	.8	97.5
7	2	1.1	1.1	98.6
8	1	.5	.5	99.1
9	0	.1	.1	99.2
10	0	.1	.1	99.3
99 Refused	1	.7	.7	100.0
Total	218	100.0	100.0	

- On average, there are 3 members living in each household – up from 2.5 in 1991.

DEM8 What Number Comes Closest To Your Household's Annual Income?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 \$10,000	42	19.4	19.4	19.4
	2 \$20,000	38	17.2	17.2	36.6
	3 \$30,000	42	19.0	19.0	55.7
	4 \$40,000	25	11.6	11.6	67.3
	5 \$50,000	20	9.1	9.1	76.4
	6 \$60,000	9	3.9	3.9	80.3
	7 \$70,000 Or More	13	6.1	6.1	86.4
	9 Don't Know / Refused	30	13.6	13.6	100.0
	Total	218	100.0	100.0	

- Over half (56%) of respondents make \$30,000 per year or less – compared to 74% in 1991. This difference results from those respondents reporting they make closest to \$20,000 per year – 17% as compared to 26% in 1991.

Attitudinal Questions

AW1 Do You Think There Is An Air Pollution Problem In Your County?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes, Definitely	27	12.3	12.3	12.3
	2 Yes, Somewhat	41	18.6	18.6	30.9
	3 No, Not Really	74	33.7	33.7	64.6
	4 Definitely Not	71	32.4	32.4	96.9
	8 Don't Know	7	3.1	3.1	100.0
	Total	218	100.0	100.0	

- More respondents report that air pollution is definitely not a problem in their county – 32% as compared to 27% in 1991.
- Less than one-third (31%) of respondents think air pollution is definitely / somewhat a problem in their county – similar to 1991 where 30% indicated air pollution was a problem.

AW2.1 What, In Your Opinion, Are The Main Sources Of Pollution Within Your County?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 None / There Are No Pollution Sources In The Area	33	15.1	15.1	15.1
	2 Wood Stoves / Wood Burning	81	37.3	37.3	52.4
	3 Cars / Traffic	20	9.3	9.3	61.6
	4 Local Industry / Factories / Smelter Waste Piles	11	5.2	5.2	66.8
	5 Fires (Forest / General)	17	8.0	8.0	74.8
	6 Other	27	12.4	12.4	87.2
	8 Don't Know	28	12.8	12.8	100.0
	Total	218	100.0	100.0	

- Note: Base = All respondents for 2003

AW2.2 What, In Your Opinion, Are The Main Sources Of Pollution Within Your County?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 None / There Are No Pollution Sources In The Area	0	.2	1.5	1.5
	2 Wood Stoves / Wood Burning	6	2.8	25.3	26.9
	3 Cars / Traffic	6	2.8	25.6	52.5
	4 Local Industry / Factories / Smelter Waste Piles	2	1.0	9.0	61.5
	5 Fires (Forest / General)	6	2.7	24.9	86.3
	6 Other	3	1.5	13.7	100.0
	Total	24	11.0	100.0	
Missing	System	194	89.0		
Total		218	100.0		

- Note: Base = All respondents for 2003

AW2.3 What, In Your Opinion, Are The Main Sources Of Pollution Within Your County?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Wood Stoves / Wood Burning	1	.6	25.8	25.8
	3 Cars / Traffic	1	.5	18.9	44.7
	5 Fires (Forest / General)	2	.9	36.4	81.1
	6 Other	1	.5	18.9	100.0
	Total	5	2.4	100.0	
Missing	System	213	97.6		
Total		218	100.0		

- Note: Base = All respondents for 2003

Overall – What, In Your Opinion, Are The Main Sources Of Pollution Within Your County?

Category label	Code	Count	Pct of Responses	Pct of Cases
None / There Are No Pollution Sources In	1	15	8.4	9.9
Wood Stoves / Wood Burning	2	78	45.0	53.0
Cars / Traffic	3	19	10.9	12.9
Local Industry / Factories / Smelter Was	4	9	5.2	6.1
Fires (Forest / General)	5	19	10.8	12.7
Other	6	22	12.6	14.8
Don't Know	8	12	7.1	8.3
		-----	-----	-----
Total responses		174	100.0	117.7

0 missing cases; 148 valid cases

Note: Base = All Respondents

AW2.1 What, In Your Opinion, Are The Main Sources Of Pollution Within Your County?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 None / There Are No Pollution Sources In The Area	15	9.9	9.9	9.9
	2 Wood Stoves / Wood Burning	71	48.1	48.1	58.0
	3 Cars / Traffic	12	8.4	8.4	66.4
	4 Local Industry / Factories / Smelter Waste Piles	7	4.7	4.7	71.1
	5 Fires (Forest / General)	12	7.8	7.8	78.9
	6 Other	19	12.8	12.8	91.7
	8 Don't Know	12	8.3	8.3	100.0
	Total	148	100.0	100.0	

- Note: Base excludes respondents who indicated pollution was definitely not a problem in their area.

AW2.2 What, In Your Opinion, Are The Main Sources Of Pollution Within Your County?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Wood Stoves / Wood Burning	6	3.9	27.0	27.0
	3 Cars / Traffic	6	3.8	26.0	53.0
	4 Local Industry / Factories / Smelter Waste Piles	2	1.5	10.0	63.0
	5 Fires (Forest / General)	5	3.5	24.2	87.2
	6 Other	3	1.9	12.8	100.0
	Total	22	14.6	100.0	
Missing	System	126	85.4		
Total		148	100.0		

- Note: Base excludes respondents who indicated pollution was definitely not a problem in their area.

AW2.3 What, In Your Opinion, Are The Main Sources Of Pollution Within Your County?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 Wood Stoves / Wood Burning	1	.9	30.0	30.0
	3 Cars / Traffic	1	.7	22.0	51.9
	5 Fires (Forest / General)	2	1.3	42.3	94.2
	6 Other	0	.2	5.8	100.0
	Total	5	3.1	100.0	
Missing	System	143	96.9		
Total		148	100.0		

- Note: Base excludes respondents who indicated pollution was definitely not a problem in their area.

Overall – What, In Your Opinion, Are The Main Sources Of Pollution Within Your County?

Category label	Code	Count	Pct of Responses	Pct of Cases
None / There Are No Pollution Sources In	1	33	13.4	15.2
Wood Stoves / Wood Burning	2	89	35.9	40.7
Cars / Traffic	3	27	11.1	12.5
Local Industry / Factories / Smelter Was	4	13	5.4	6.2
Fires (Forest / General)	5	25	10.2	11.6
Other	6	31	12.6	14.3
Don't Know	8	28	11.3	12.8
		-----	-----	-----
Total responses		247	100.0	113.5

0 missing cases; 218 valid cases

- Note: Base excludes respondents who indicated pollution was definitely not a problem in their area.
- As in 1991, the most common cited source of pollution within Shoshone County is wood stoves / wood burning – however, significantly less cited wood stoves / wood burning (41%) than in 1991 (66%).

Overall – If You Wanted To Find Out About The Air Quality In Your County, What Would You Do?

Category label	Code	Count	Pct of Responses	Pct of Cases
Call The Air Quality Advisory Telephone	1	17	7.5	7.7
Call A Government Agency	2	56	25.1	25.6
Read The Newspaper	3	4	1.7	1.8
Watch The News	4	11	5.1	5.3
Internet - Government Agency Website	5	3	1.3	1.3
Internet - General	6	11	4.9	5.0
Other	7	34	15.3	15.6
Don't Know / Refused	9	87	39.0	39.8
		-----	-----	-----
Total responses		223	100.0	102.1

0 missing cases; 218 valid cases

- Two-fifths of respondents (40%) do not know what source they would use if they wanted to find out about the air quality in Shoshone County – down from 47% in 1991.
- Similar to 1991, the most common cited source that respondents would use to find out about the air quality in Shoshone County is a government agency (26%).

AW4 Have You Heard Of The Air Quality Advisory Telephone Line Available In Your County?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 Yes	31	14.2	15.4	15.4
	2 No	169	77.6	84.1	99.5
	8 Don't Know	1	.5	.5	100.0
	Total	201	92.3	100.0	
Missing	System	17	7.7		
Total		218	100.0		

- Note: Question only asked of those respondents who did not mention that they would call the Air Quality Advisory Telephone Line if they wanted to find out about the air quality.
- The majority of respondents (84%) have not heard of the Air Quality Advisory Telephone Line – down from 88% in 1991.

Demographics By RWC Ownership

DEM7A How Many People, Including Yourself, Live In Your Household? * RWC Residential Wood Combustion Crosstabulation

		RWC Residential Wood Combustion				
		1.00 Main Source	2.00 Back-Up Source	3.00 No RWC	Total	
DEM7A How Many People, Including Yourself, Live In Your Household?	1	Count	11	13	40	64
		% within DEM7A				
		How Many People, Including Yourself, Live In Your Household?	17.2%	20.3%	62.5%	100.0%
		% within RWC				
	2	Residential Wood Combustion	20.8%	27.7%	33.1%	29.0%
		% of Total	5.0%	5.9%	18.1%	29.0%
		Count	24	20	42	86
		% within DEM7A				
	3	How Many People, Including Yourself, Live In Your Household?	27.9%	23.3%	48.8%	100.0%
		% within RWC				
		Residential Wood Combustion	45.3%	42.6%	34.7%	38.9%
		% of Total	10.9%	9.0%	19.0%	38.9%
4	Count	5	6	16	27	
	% within DEM7A					
	How Many People, Including Yourself, Live In Your Household?	18.5%	22.2%	59.3%	100.0%	
	% within RWC					
5	Residential Wood Combustion	9.4%	12.8%	13.2%	12.2%	
	% of Total	2.3%	2.7%	7.2%	12.2%	
	Count	6	3	15	24	
	% within DEM7A					
	How Many People, Including Yourself, Live In Your Household?	25.0%	12.5%	62.5%	100.0%	
	% within RWC					
	Residential Wood Combustion	11.3%	6.4%	12.4%	10.9%	
	% of Total	2.7%	1.4%	6.8%	10.9%	
	Count	5	3	3	11	

		RWC Residential Wood Combustion			Total
		1.00 Main Source	2.00 Back-Up Source	3.00 No RWC	
6	% within DEM7A How Many People, Including Yourself, Live In Your Household?	45.5%	27.3%	27.3%	100.0%
	% within RWC Residential Wood Combustion	9.4%	6.4%	2.5%	5.0%
	% of Total	2.3%	1.4%	1.4%	5.0%
	Count	0	1	1	2
	% within DEM7A How Many People, Including Yourself, Live In Your Household?	.0%	50.0%	50.0%	100.0%
	% within RWC Residential Wood Combustion	.0%	2.1%	.8%	.9%
7	% of Total	.0%	.5%	.5%	.9%
	Count	0	1	2	3
	% within DEM7A How Many People, Including Yourself, Live In Your Household?	.0%	33.3%	66.7%	100.0%
	% within RWC Residential Wood Combustion	.0%	2.1%	1.7%	1.4%
	% of Total	.0%	.5%	.9%	1.4%
	Count	1	0	1	2
8	% within DEM7A How Many People, Including Yourself, Live In Your Household?	50.0%	.0%	50.0%	100.0%
	% within RWC Residential Wood Combustion	1.9%	.0%	.8%	.9%
	% of Total	.5%	.0%	.5%	.9%
	Count	0	0	0	0
	% within DEM7A How Many People, Including Yourself, Live In Your Household?	.	.	.	.
	% within RWC Residential Wood Combustion	.0%	.0%	.0%	.0%
9	% of Total	.0%	.0%	.0%	.0%
	Count	0	0	0	0
	% within DEM7A How Many People, Including Yourself, Live In Your Household?	.	.	.	.
	% within RWC Residential Wood Combustion	.0%	.0%	.0%	.0%
	% of Total	.0%	.0%	.0%	.0%
	Count	0	0	0	0

		RWC Residential Wood Combustion			Total
		1.00 Main Source	2.00 Back-Up Source	3.00 No RWC	
99 Refused	% within DEM7A How Many People, Including Yourself, Live In Your Household?	.	.	.	.
	% within RWC Residential Wood Combustion	.0%	.0%	.0%	.0%
	% of Total	.0%	.0%	.0%	.0%
	Count	1	0	1	2
	% within DEM7A How Many People, Including Yourself, Live In Your Household?	50.0%	.0%	50.0%	100.0%
	% within RWC Residential Wood Combustion	1.9%	.0%	.8%	.9%
	% of Total	.5%	.0%	.5%	.9%
	Count	53	47	121	221
	% within DEM7A How Many People, Including Yourself, Live In Your Household?	24.0%	21.3%	54.8%	100.0%
	% within RWC Residential Wood Combustion	100.0%	100.0%	100.0%	100.0%
Total	% of Total	24.0%	21.3%	54.8%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	12.893 ^a	20	.882
Likelihood Ratio	14.568	20	.801
Linear-by-Linear Association	.438	1	.508
N of Valid Cases	221		

a. 20 cells (60.6%) have expected count less than 5. The minimum expected count is .00.

SCR4 What Is Your Home Zip Code? * RWC Residential Wood Combustion Crosstabulation

		RWC Residential Wood Combustion			Total
		1.00 Main Source	2.00 Back-Up Source	3.00 No RWC	
SCR4 What Is Your Home Zip Code?	83350	Count	0	0	1
		% within SCR4			
		What Is Your Home Zip Code?	.0%	.0%	100.0%
		% within RWC			
		Residential Wood Combustion	.0%	.0%	.8%
	83682	% of Total	.0%	.0%	.4%
		Count	0	0	1
		% within SCR4			
		What Is Your Home Zip Code?	.0%	.0%	100.0%
		% within RWC			
		Residential Wood Combustion	.0%	.0%	.8%
	83808	% of Total	.0%	.0%	.4%
		Count	0	1	1
		% within SCR4			
		What Is Your Home Zip Code?	.0%	100.0%	.0%
		% within RWC			
		Residential Wood Combustion	.0%	2.0%	.0%
	83810	% of Total	.0%	.4%	.0%
		Count	4	1	3
		% within SCR4			
		What Is Your Home Zip Code?	50.0%	12.5%	37.5%
		% within RWC			
		Residential Wood Combustion	7.4%	2.0%	2.5%
	83815	% of Total	1.8%	.4%	1.3%
		Count	0	0	1
		% within SCR4			
		What Is Your Home Zip Code?	.0%	.0%	100.0%
		% within RWC			

		RWC Residential Wood Combustion			Total
		1.00 Main Source	2.00 Back-Up Source	3.00 No RWC	
83836	% within RWC Residential Wood Combustion % of Total	.0%	.0%	.8%	.4%
	Count	1	0	0	1
	% within SCR4 What Is Your Home Zip Code?	100.0%	.0%	.0%	100.0%
	% within RWC Residential Wood Combustion % of Total	1.9%	.0%	.0%	.4%
83837	Count	4	7	9	20
	% within SCR4 What Is Your Home Zip Code?	20.0%	35.0%	45.0%	100.0%
	% within RWC Residential Wood Combustion % of Total	7.4%	14.3%	7.4%	8.9%
	Count	13	8	16	37
83839	% within SCR4 What Is Your Home Zip Code?	35.1%	21.6%	43.2%	100.0%
	% within RWC Residential Wood Combustion % of Total	24.1%	16.3%	13.2%	16.5%
	Count	8	6	20	34
	% within SCR4 What Is Your Home Zip Code?	23.5%	17.6%	58.8%	100.0%
83846	% within RWC Residential Wood Combustion % of Total	14.8%	12.2%	16.5%	15.2%
	Count	0	0	1	1
	% within SCR4 What Is Your Home Zip Code?	.0%	.0%	100.0%	100.0%
	% within RWC Residential Wood Combustion % of Total	3.6%	2.7%	8.9%	15.2%
83848	Count	0	0	1	1
	% within SCR4 What Is Your Home Zip Code?	.0%	.0%	100.0%	100.0%
	% within RWC Residential Wood Combustion % of Total	3.6%	2.7%	8.9%	15.2%
	Count	0	0	1	1

		RWC Residential Wood Combustion			Total
		1.00 Main Source	2.00 Back-Up Source	3.00 No RWC	
83849	% within RWC Residential Wood Combustion % of Total	.0%	.0%	.8%	.4%
	Count	1	2	5	8
	% within SCR4 What Is Your Home Zip Code?	12.5%	25.0%	62.5%	100.0%
	% within RWC Residential Wood Combustion % of Total	1.9%	4.1%	4.1%	3.6%
	Count	14	17	50	81
83850	% within SCR4 What Is Your Home Zip Code?	17.3%	21.0%	61.7%	100.0%
	% within RWC Residential Wood Combustion % of Total	25.9%	34.7%	41.3%	36.2%
	Count	1	0	0	1
	% within SCR4 What Is Your Home Zip Code?	100.0%	.0%	.0%	100.0%
	% within RWC Residential Wood Combustion % of Total	1.9%	.0%	.0%	.4%
83857	Count	1	2	1	4
	% within SCR4 What Is Your Home Zip Code?	25.0%	50.0%	25.0%	100.0%
	% within RWC Residential Wood Combustion % of Total	.4%	.0%	.0%	.4%
	Count	0	1	2	3
	% within SCR4 What Is Your Home Zip Code?	.0%	33.3%	66.7%	100.0%
83867	% within RWC Residential Wood Combustion % of Total	.4%	.9%	.4%	1.8%
	Count	0	1	2	3
	% within SCR4 What Is Your Home Zip Code?	.0%	33.3%	66.7%	100.0%
	% within RWC Residential Wood Combustion % of Total	.4%	.9%	.4%	1.8%
	Count	0	1	2	3
83868	% within SCR4 What Is Your Home Zip Code?	.0%	33.3%	66.7%	100.0%
	% within RWC Residential Wood Combustion % of Total	.4%	.9%	.4%	1.8%
	Count	0	1	2	3
	% within SCR4 What Is Your Home Zip Code?	.0%	33.3%	66.7%	100.0%
	% within RWC Residential Wood Combustion % of Total	.4%	.9%	.4%	1.8%

		RWC Residential Wood Combustion			Total
		1.00 Main Source	2.00 Back-Up Source	3.00 No RWC	
83873	% within RWC Residential Wood Combustion	.0%	2.0%	1.7%	1.3%
	% of Total	.0%	.4%	.9%	1.3%
	Count	4	4	8	16
	% within SCR4 What Is Your Home Zip Code?	25.0%	25.0%	50.0%	100.0%
83874	% within RWC Residential Wood Combustion	7.4%	8.2%	6.6%	7.1%
	% of Total	1.8%	1.8%	3.6%	7.1%
	Count	1	0	1	2
	% within SCR4 What Is Your Home Zip Code?	50.0%	.0%	50.0%	100.0%
84729	% within RWC Residential Wood Combustion	1.9%	.0%	.8%	.9%
	% of Total	.4%	.0%	.4%	.9%
	Count	1	0	0	1
	% within SCR4 What Is Your Home Zip Code?	100.0%	.0%	.0%	100.0%
99999 Don't Know / Refused	% within RWC Residential Wood Combustion	1.9%	.0%	.0%	.4%
	% of Total	.4%	.0%	.0%	.4%
	Count	1	0	2	3
	% within SCR4 What Is Your Home Zip Code?	33.3%	.0%	66.7%	100.0%
Total	% within RWC Residential Wood Combustion	1.9%	.0%	1.7%	1.3%
	% of Total	.4%	.0%	.9%	1.3%
	Count	54	49	121	224
	% within SCR4 What Is Your Home Zip Code?	24.1%	21.9%	54.0%	100.0%

		RWC Residential Wood Combustion			Total
		1.00 Main Source	2.00 Back-Up Source	3.00 No RWC	
% within RWC Residential Wood Combustion		100.0%	100.0%	100.0%	100.0%
% of Total		24.1%	21.9%	54.0%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	32.591 ^a	36	.632
Likelihood Ratio	33.497	36	.588
Linear-by-Linear Association	.000	1	.992
N of Valid Cases	224		

a. 46 cells (80.7%) have expected count less than 5. The minimum expected count is .22.

DEM4 What Is The Highest Level Of Formal Education You Have Completed? * RWC Residential Wood Combustion Crosstabulation

			RWC Residential Wood Combustion			Total
			1.00 Main Source 4	2.00 Back- Up Source 3	3.00 No RWC 21	
DEM4 What Is The Highest Level Of Formal Education You Have Completed?	1 Some High School Or Less	Count				28
		% within DEM4				
		What Is The Highest Level Of Formal Education You Have Completed?				
		% within RWC Residential Wood Combustion	14.3%	10.7%	75.0%	100.0%
		% of Total	7.7%	6.5%	17.5%	12.8%
		% of Total	1.8%	1.4%	9.6%	12.8%
	2 High School Graduate	Count	23	13	36	72
		% within DEM4				
		What Is The Highest Level Of Formal Education You Have Completed?				
		% within RWC Residential Wood Combustion	31.9%	18.1%	50.0%	100.0%
		% of Total	44.2%	28.3%	30.0%	33.0%
		% of Total	10.6%	6.0%	16.5%	33.0%
	3 Some College / Vocational / Technical	Count	15	17	39	71
		% within DEM4				
		What Is The Highest Level Of Formal Education You Have Completed?				
		% within RWC Residential Wood Combustion	21.1%	23.9%	54.9%	100.0%
		% of Total	28.8%	37.0%	32.5%	32.6%
		% of Total	6.9%	7.8%	17.9%	32.6%
	4 Four Year College Graduate	Count	4	8	16	28
		% within DEM4				
		What Is The Highest Level Of Formal Education You Have Completed?				
		% within RWC Residential Wood Combustion	14.3%	28.6%	57.1%	100.0%
		% of Total	7.7%	17.4%	13.3%	12.8%
		% of Total	1.8%	3.7%	7.3%	12.8%

		RWC Residential Wood Combustion			Total
		1.00 Main Source 4	2.00 Back- Up Source 5	3.00 No RWC 6	
5 Post-Grad Or Professional Degree	Count				15
	% within DEM4				
	What Is The Highest Level Of Formal Education You Have Completed?	26.7%	33.3%	40.0%	100.0%
	% within RWC				
	Residential Wood Combustion	7.7%	10.9%	5.0%	6.9%
	% of Total	1.8%	2.3%	2.8%	6.9%
	Count	2	0	2	4
	% within DEM4				
	What Is The Highest Level Of Formal Education You Have Completed?	50.0%	.0%	50.0%	100.0%
	% within RWC				
9 Don't Know / Refused	Residential Wood Combustion	3.8%	.0%	1.7%	1.8%
	% of Total	.9%	.0%	.9%	1.8%
	Count	52	46	120	218
	% within DEM4				
	What Is The Highest Level Of Formal Education You Have Completed?	23.9%	21.1%	55.0%	100.0%
	% within RWC				
	Residential Wood Combustion	100.0%	100.0%	100.0%	100.0%
	% of Total	23.9%	21.1%	55.0%	100.0%
	Count				
	% within DEM4				
Total	What Is The Highest Level Of Formal Education You Have Completed?				
	% within RWC				
	Residential Wood Combustion				
	% of Total				
	Count				
	% within DEM4				
	What Is The Highest Level Of Formal Education You Have Completed?				
	% within RWC				
	Residential Wood Combustion				
	% of Total				

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	13.227 ^a	10	.211
Likelihood Ratio	13.929	10	.176
Linear-by-Linear Association	.982	1	.322
N of Valid Cases	218		

a. 5 cells (27.8%) have expected count less than 5. The minimum expected count is .84.

**DEM6 Which Category Best Describes You Employment Status? * RWC Residential Wood Combustion
Crosstabulation**

			RWC Residential Wood Combustion			
			1.00 Main Source 8	2.00 Back- Up Source 6	3.00 No RWC 11	Total 25
DEM6 Which Category Best Describes You Employment Status?	1 Self-Employed	Count				
		% within DEM6				
		Which Category Best Describes You Employment Status?	32.0%	24.0%	44.0%	100.0%
		% within RWC Residential Wood Combustion	15.4%	13.0%	9.2%	11.5%
		% of Total	3.7%	2.8%	5.1%	11.5%
	2 Employed By A Company Or Corporation	Count	13	11	26	50
		% within DEM6				
		Which Category Best Describes You Employment Status?	26.0%	22.0%	52.0%	100.0%
		% within RWC Residential Wood Combustion	25.0%	23.9%	21.8%	23.0%
		% of Total	6.0%	5.1%	12.0%	23.0%
	3 Employed By A City, State, Or Federal Government Office	Count	5	6	11	22
		% within DEM6				
		Which Category Best Describes You Employment Status?	22.7%	27.3%	50.0%	100.0%
		% within RWC Residential Wood Combustion	9.6%	13.0%	9.2%	10.1%
		% of Total	2.3%	2.8%	5.1%	10.1%
	4 Retired	Count	17	17	50	84
		% within DEM6				
		Which Category Best Describes You Employment Status?	20.2%	20.2%	59.5%	100.0%
		% within RWC Residential Wood Combustion	32.7%	37.0%	42.0%	38.7%
		% of Total	7.8%	7.8%	23.0%	38.7%
	5 Unemployed	Count	7	4	14	25

		RWC Residential Wood Combustion			Total
		1.00 Main Source	2.00 Back- Up Source	3.00 No RWC	
6 Other	% within DEM6 Which Category Best Describes You Employment Status?	28.0%	16.0%	56.0%	100.0%
	% within RWC Residential Wood Combustion	13.5%	8.7%	11.8%	11.5%
	% of Total	3.2%	1.8%	6.5%	11.5%
	Count	1	2	6	9
	% within DEM6 Which Category Best Describes You Employment Status?	11.1%	22.2%	66.7%	100.0%
	% within RWC Residential Wood Combustion	1.9%	4.3%	5.0%	4.1%
	% of Total	.5%	.9%	2.8%	4.1%
	Count	1	0	1	2
	% within DEM6 Which Category Best Describes You Employment Status?	50.0%	.0%	50.0%	100.0%
	% within RWC Residential Wood Combustion	1.9%	.0%	.8%	.9%
9 Don't Know / Refused	% of Total	.5%	.0%	.5%	.9%
	Count	52	46	119	217
	% within DEM6 Which Category Best Describes You Employment Status?	24.0%	21.2%	54.8%	100.0%
	% within RWC Residential Wood Combustion	100.0%	100.0%	100.0%	100.0%
	% of Total	24.0%	21.2%	54.8%	100.0%
Total					

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	5.175 ^a	12	.952
Likelihood Ratio	5.584	12	.936
Linear-by-Linear Association	1.301	1	.254
N of Valid Cases	217		

a. 7 cells (33.3%) have expected count less than 5. The minimum expected count is .42.

DEM8 What Number Comes Closest To Your Household's Annual Income? * RWC Residential Wood Combustion Crosstabulation

			RWC Residential Wood Combustion			Total
			1.00 Main Source	2.00 Back- Up Source	3.00 No RWC	
DEM8 What Number Comes Closest To Your Household's Annual Income?	1 \$10,000	Count	12	9	22	43
		% within DEM8				
		What Number Comes Closest To Your Household's Annual Income?	27.9%	20.9%	51.2%	100.0 %
		% within RWC Residential Wood Combustion	22.6%	18.8%	18.5%	19.5%
	2 \$20,000	% of Total	5.5%	4.1%	10.0%	19.5%
		Count	8	6	24	38
		% within DEM8				
		What Number Comes Closest To Your Household's Annual Income?	21.1%	15.8%	63.2%	100.0 %
	3 \$30,000	% within RWC Residential Wood Combustion	15.1%	12.5%	20.2%	17.3%
		% of Total	3.6%	2.7%	10.9%	17.3%
		Count	8	9	25	42
		% within DEM8				
	4 \$40,000	What Number Comes Closest To Your Household's Annual Income?	19.0%	21.4%	59.5%	100.0 %
		% within RWC Residential Wood Combustion	15.1%	18.8%	21.0%	19.1%
		% of Total	3.6%	4.1%	11.4%	19.1%
		Count	9	7	10	26
	5 \$50,000	% within DEM8				
		What Number Comes Closest To Your Household's Annual Income?	34.6%	26.9%	38.5%	100.0 %
		% within RWC Residential Wood Combustion	17.0%	14.6%	8.4%	11.8%
		% of Total	4.1%	3.2%	4.5%	11.8%
		Count	4	6	11	21

		RWC Residential Wood Combustion			Total
		1.00 Main Source	2.00 Back- Up Source	3.00 No RWC	
6 \$60,000	% within DEM8 What Number Comes Closest To Your Household's Annual Income?	19.0%	28.6%	52.4%	100.0 %
	% within RWC Residential Wood Combustion	7.5%	12.5%	9.2%	9.5%
	% of Total	1.8%	2.7%	5.0%	9.5%
	Count	4	0	4	8
	% within DEM8 What Number Comes Closest To Your Household's Annual Income?	50.0%	.0%	50.0%	100.0 %
	% within RWC Residential Wood Combustion	7.5%	.0%	3.4%	3.6%
	% of Total	1.8%	.0%	1.8%	3.6%
	Count	3	4	6	13
	% within DEM8 What Number Comes Closest To Your Household's Annual Income?	23.1%	30.8%	46.2%	100.0 %
	% within RWC Residential Wood Combustion	5.7%	8.3%	5.0%	5.9%
7 \$70,000 Or More	% of Total	1.4%	1.8%	2.7%	5.9%
	Count	5	7	17	29
	% within DEM8 What Number Comes Closest To Your Household's Annual Income?	17.2%	24.1%	58.6%	100.0 %
	% within RWC Residential Wood Combustion	9.4%	14.6%	14.3%	13.2%
	% of Total	2.3%	3.2%	7.7%	13.2%
	Count	53	48	119	220
	% within DEM8 What Number Comes Closest To Your Household's Annual Income?	24.1%	21.8%	54.1%	100.0 %
9 Don't Know / Refused					
Total					

	RWC Residential Wood Combustion			Total
	1.00 Main Source	2.00 Back- Up Source	3.00 No RWC	
% within RWC Residential Wood Combustion	100.0%	100.0%	100.0%	100.0 %
% of Total	24.1%	21.8%	54.1%	100.0 %

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	11.108 ^a	14	.678
Likelihood Ratio	12.338	14	.579
Linear-by-Linear Association	.023	1	.881
N of Valid Cases	220		

a. 6 cells (25.0%) have expected count less than 5. The minimum expected count is 1.75.

Demographics by Pollution Awareness Level

DEM4 What Is The Highest Level Of Formal Education You Have Completed? * AWCROSS Pollution Awareness for Crosstabs Crosstabulation

			AWCROSS Pollution Awareness for Crosstabs		Total
			1.00 Pollution a Problem	2.00 Pollution Not a Problem	
DEM4 What Is The Highest Level Of Formal Education You Have Completed?	1 Some High School Or Less	Count	9	19	28
		% within DEM4 What Is The Highest Level Of Formal Education You Have Completed?	32.1%	67.9%	100.0%
		% within AWCROSS Pollution Awareness for Crosstabs	13.4%	12.6%	12.8%
		% of Total	4.1%	8.7%	12.8%
	2 High School Graduate	Count	19	53	72
		% within DEM4 What Is The Highest Level Of Formal Education You Have Completed?	26.4%	73.6%	100.0%
		% within AWCROSS Pollution Awareness for Crosstabs	28.4%	35.1%	33.0%
		% of Total	8.7%	24.3%	33.0%
	3 Some College / Vocational / Technical	Count	23	48	71
		% within DEM4 What Is The Highest Level Of Formal Education You Have Completed?	32.4%	67.6%	100.0%
		% within AWCROSS Pollution Awareness for Crosstabs	34.3%	31.8%	32.6%
		% of Total	10.6%	22.0%	32.6%
	4 Four Year College Graduate	Count	10	18	28
		% within DEM4 What Is The Highest Level Of Formal Education You Have Completed?	35.7%	64.3%	100.0%
		% within AWCROSS Pollution Awareness for Crosstabs	14.9%	11.9%	12.8%
		% of Total	4.6%	8.3%	12.8%
	5 Post-Grad Or	Count	5	10	15

		AWCROSS Pollution Awareness for Crosstabs		Total
		1.00 Pollution a Problem	2.00 Pollution Not a Problem	
Professional Degree	% within DEM4 What Is The Highest Level Of Formal Education You Have Completed?	33.3%	66.7%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	7.5%	6.6%	6.9%
	% of Total	2.3%	4.6%	6.9%
	Count	1	3	4
	% within DEM4 What Is The Highest Level Of Formal Education You Have Completed?	25.0%	75.0%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	1.5%	2.0%	1.8%
	% of Total	.5%	1.4%	1.8%
	Count	67	151	218
	% within DEM4 What Is The Highest Level Of Formal Education You Have Completed?	30.7%	69.3%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	100.0%	100.0%	100.0%
Total		30.7%	69.3%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	1.192 ^a	5	.946
Likelihood Ratio	1.203	5	.945
Linear-by-Linear Association	.113	1	.736
N of Valid Cases	218		

a. 3 cells (25.0%) have expected count less than 5. The minimum expected count is 1.23.

SCR4 What Is Your Home Zip Code? • Pollution Awareness

		AWCROSS Pollution Awareness for Crosstabs		Total
		1.00 Pollution a Problem	2.00 Pollution Not a Problem	
SCR4 What Is Your Home Zip Code?	83350	Count	0	1
		% within SCR4		
		What Is Your Home Zip Code?	.0%	100.0%
		% within AWCROSS		
		Pollution Awareness for Crosstabs	.0%	.7%
	83682	% of Total	.0%	.5%
		Count	0	1
		% within SCR4		
		What Is Your Home Zip Code?	.0%	100.0%
		% within AWCROSS		
		Pollution Awareness for Crosstabs	.0%	.7%
	83808	% of Total	.0%	.5%
		Count	0	1
		% within SCR4		
		What Is Your Home Zip Code?	.0%	100.0%
		% within AWCROSS		
	83810	Pollution Awareness for Crosstabs	.0%	.7%
		% of Total	.0%	.5%
		Count	3	4
		% within SCR4		
		What Is Your Home Zip Code?	42.9%	57.1%
	83815	% within AWCROSS		
		Pollution Awareness for Crosstabs	4.4%	2.6%
		% of Total	1.4%	1.8%
		Count	0	1
		% within SCR4		
		What Is Your Home Zip Code?	.0%	100.0%

		AWCROSS Pollution Awareness for Crosstabs		Total
		1.00 Pollution a Problem	2.00 Pollution Not a Problem	
83836	% within AWCROSS Pollution Awareness for Crosstabs	.0%	.7%	.5%
	% of Total	.0%	.5%	.5%
	Count	0	1	1
	% within SCR4 What Is Your Home Zip Code?	.0%	100.0%	100.0%
83837	% within AWCROSS Pollution Awareness for Crosstabs	.0%	.7%	.5%
	% of Total	.0%	.5%	.5%
	Count	5	15	20
	% within SCR4 What Is Your Home Zip Code?	25.0%	75.0%	100.0%
83839	% within AWCROSS Pollution Awareness for Crosstabs	7.4%	9.9%	9.1%
	% of Total	2.3%	6.8%	9.1%
	Count	14	23	37
	% within SCR4 What Is Your Home Zip Code?	37.8%	62.2%	100.0%
83846	% within AWCROSS Pollution Awareness for Crosstabs	20.6%	15.1%	16.8%
	% of Total	6.4%	10.5%	16.8%
	Count	5	29	34
	% within SCR4 What Is Your Home Zip Code?	14.7%	85.3%	100.0%
83848	% within AWCROSS Pollution Awareness for Crosstabs	7.4%	19.1%	15.5%
	% of Total	2.3%	13.2%	15.5%
	Count	0	1	1

		AWCROSS Pollution Awareness for Crosstabs		
		1.00 Pollution a Problem	2.00 Pollution Not a Problem	Total
83849	% within SCR4 What Is Your Home Zip Code?	.0%	100.0%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	.0%	.7%	.5%
	% of Total	.0%	.5%	.5%
	Count	2	6	8
	% within SCR4 What Is Your Home Zip Code?	25.0%	75.0%	100.0%
83850	% within AWCROSS Pollution Awareness for Crosstabs	2.9%	3.9%	3.6%
	% of Total	.9%	2.7%	3.6%
	Count	31	49	80
	% within SCR4 What Is Your Home Zip Code?	38.8%	61.3%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	45.6%	32.2%	36.4%
83857	% of Total	14.1%	22.3%	36.4%
	Count	1	0	1
	% within SCR4 What Is Your Home Zip Code?	100.0%	.0%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	1.5%	.0%	.5%
	% of Total	.5%	.0%	.5%
83867	Count	1	2	3
	% within SCR4 What Is Your Home Zip Code?	33.3%	66.7%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	1.5%	1.3%	1.4%

		AWCROSS Pollution Awareness for Crosstabs		
		1.00 Pollution a Problem	2.00 Pollution Not a Problem	Total
83868	% of Total	.5%	.9%	1.4%
	Count	2	1	3
	% within SCR4			
	What Is Your Home Zip Code?	66.7%	33.3%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	2.9%	.7%	1.4%
83873	% of Total	.9%	.5%	1.4%
	Count	4	12	16
	% within SCR4			
	What Is Your Home Zip Code?	25.0%	75.0%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	5.9%	7.9%	7.3%
83874	% of Total	1.8%	5.5%	7.3%
	Count	0	2	2
	% within SCR4			
	What Is Your Home Zip Code?	.0%	100.0%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	.0%	1.3%	.9%
84729	% of Total	.0%	.9%	.9%
	Count	0	1	1
	% within SCR4			
	What Is Your Home Zip Code?	.0%	100.0%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	.0%	.7%	.5%
99999 Don't Know / Refused	% of Total	.0%	.5%	.5%
	Count	0	2	2
	% within SCR4 What Is Your Home Zip Code?	.0%	100.0%	100.0%

		AWCROSS Pollution Awareness for Crosstabs		
		1.00 Pollution a Problem	2.00 Pollution Not a Problem	Total
Total	% within AWCROSS Pollution Awareness for Crosstabs	.0%	1.3%	.9%
	% of Total	.0%	.9%	.9%
	Count	68	152	220
	% within SCR4 What Is Your Home Zip Code?	30.9%	69.1%	100.0%
	% within AWCROSS Pollution Awareness for Crosstabs	100.0%	100.0%	100.0%
	% of Total	30.9%	69.1%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	17.463 ^a	18	.492
Likelihood Ratio	21.104	18	.274
Linear-by-Linear Association	.910	1	.340
N of Valid Cases	220		

a. 28 cells (73.7%) have expected count less than 5. The minimum expected count is .31.

Combined (Multiple Response) Pollution Sources by Pollution Awareness

	Count	Pollutio	Pollutio	
Row pct	n	a	Prob	n Not a
Col pct	lem		Prob	Total
Tab pct		1		2
1	0	33	33	
None / There Are No	.0	100.0	15.2	
	.0	22.0		
	.0	15.2		
2	50	39	89	
Wood Stoves / Wood B	56.2	43.8	40.7	
	74.1	25.8		
	22.9	17.8		
3	11	16	27	
Cars / Traffic	42.0	58.0	12.5	
	17.1	10.5		
	5.3	7.3		
4	2	11	13	
Local Industry / Fac	16.0	84.0	6.2	
	3.2	7.5		
	1.0	5.2		
5	9	16	25	
Fires (Forest / Gene	36.6	63.4	11.6	
	13.8	10.7		
	4.2	7.4		
6	12	19	31	
Other	38.4	61.6	14.3	
	17.8	12.8		
	5.5	8.8		
8	2	26	28	
Don't Know	6.4	93.6	12.8	
	2.7	17.4		
	.8	12.0		
Column	67	151	218	
Total	30.9	69.1	100.0	

Percents and totals based on respondents

218 valid cases; 0 missing cases

Questionnaire

**2003 DEQ Heating Equipment Usage Study
SURVEY INSTRUMENT
Final With Postcodes**

INTRODUCTION

INT1 Hello, this is _____ with Northwest Research Group, a marketing research firm. We are conducting a research project about residential heating equipment and utility bills with citizens in Bonner and Shoshone counties. This is not a sales call, and this will only take about ten minutes. All of your answers will be confidential. This call may be monitored and/or recorded for training purposes.

I need to speak with the adult head of your household who knows what kinds of equipment you use to heat your home, and knows about your utility bills. Would that be you?

- 1 YES – CONTINUE WITH RESPONDENT
- 2 NO – NEW RESPONDENT COMING TO PHONE [REINTRODUCE YOURSELF]
- 3 NO – RESPONDENT NOT AVAILABLE [SCHEDULE CALLBACK]
- 4 NO – NO ADULT IN HOUSEHOLD [SKIP TO THANK2]
- 5 RESPONDENT LIVES IN RETIREMENT HOME / SUMMER HOME ONLY [SKIP TO THANK6]
- 9 REFUSED [CNTRL END – DISPOS 5]

SCREENER

SCR1 Before getting into specific equipment questions, I would like to read some groups of heating fuel sources. As I read each one, please tell if you have that heating source in your home, garage or workshop. We are interested in knowing if you have these whether you use them or not. Do you own...

[MULTIPLE RESPONSE, READ ONE AT A TIME AND SELECT IF "YES"]

[NOTE TO PROGRAMMER: "OTHER" ONLY SKIPS IF OPTIONS 1-4 ARE NOT ALSO SELECTED]

- 1 Any Electrical Heating Equipment Such As An Electric Furnace, A Heat Pump, Baseboard Heaters, Or Space Heaters?

- 2 Any Heating Equipment That Uses Natural Gas, Propane, Fuel Oil, Kerosene, Or A Steam Boiler Or Fireplace, Which Uses One Of The Above?
- 3 Any Wood Burning Equipment Such As A Wood Stove, A Fireplace, A Fireplace Insert Stove, Or A Steam Boiler, Which Burns Wood?
- 4 Any Coal Or Pellet Burning Equipment Such As A Coal Furnace, A Pellet Stove, Or A Steam Boiler, Which Burns Coal Or Wood Pellets?
- 5 OTHERS, INCLUDING SOLAR OR GEOTHERMAL **[SKIP TO THANK4]**
- 9 DON'T KNOW / REFUSED **[SKIP TO THANK5]**

SCR2 According to our information, you live in **[COUNTY]**, is this correct?

- 1 YES
- 2 NO
- 8 DON'T KNOW
- 9 REFUSED

SCR3 **[ASK IF SCR2 <> 1]** What county do you live in?

- 1 SHOSHONE COUNTY
- 2 BONNER COUNTY
- 3 OTHER **[SKIP TO THANK3]**
- 9 DON'T KNOW / REFUSED

SCR4 What is your home zip code?

_____ ENTER ZIP CODE
99999 DON'T KNOW / REFUSED

[IF SCR3 = 9 AND SCR4 = 99999 SKIP TO THANK5]

ELECTRICAL HEATING EQUIPMENT USAGE

E1 **[IF SCR1 = 1]** You mentioned owning some electrical heating equipment. Would that be...

[MULTIPLE RESPONSE]

- 1 Electric Furnace
- 2 Heat Pump
- 3 Baseboard Heaters
- 4 Space Heaters
- 5 OTHER ELECTRIC HEATING EQUIPMENT (SPECIFY)
- 9 DON'T KNOW / REFUSED
- 7 *Wall Heater*

[PROGRAMMING NOTE: GROUP E2-E6 BY EQUIPMENT TYPE]

E2A-E **[ASK FOR ALL E1 NAMED]** Do you consider your **[SHOW E1 RESPONSE]** to be your main source of heating, or does it work as a back-up source?

- 1 MAIN SOURCE
- 2 BACK-UP SOURCE
- 9 DON'T KNOW / REFUSED

E3A-E **[ASK FOR ALL E1 NAMED]** Do you have more than one **[SHOW E1 RESPONSE]**

in your home, garage or workshop?

[BRIEFING NOTE: Total number, i.e. one in garage and one in workshop equals two].

- 1 YES
- 2 NO
- 9 DON'T KNOW / REFUSED

E4A-E **[ASK FOR ALL E1 NAMED IF E3 = 1]** How many **[SHOW E1 RESPONSE]** do you have?

- ENTER NUMBER
- 8 DON'T KNOW
- 9 REFUSED

E5A-E **[ASK FOR ALL E1 NAMED]** How old do you estimate your / **MOST RECENT - IF E3 = 1** **[SHOW E1 RESPONSE /]** to be?

[IF NECESSARY: Your best guess is okay.]

- NUMBER OF YEARS **[ENTER 1 IF LESS THAN 1 YEAR]**
- 98 DON'T KNOW
- 99 REFUSED

E6 **[IF SCR1 = 1]** In an average winter month, how much is your typical electric bill?
[IF NECESSARY: Winter is October thru March.]

- DOLLARS
- 998 DON'T KNOW
- 999 REFUSED

E7 **[IF SCR1 = 1, SKIP IF E6A-E >97]** Is **[AMOUNT GIVEN IN E6]** level-pay or just an average winter bill?

- 1 LEVEL PAY
- 2 AVERAGE MONTHLY WINTER BILL
- 8 DON'T KNOW
- 9 REFUSED

HEATING EQUIPMENT USING GAS, PROPANE, OIL FUEL, OR KEROSENE USAGE

[PROGRAMMING NOTE: GROUP H1-H14 BY EQUIPMENT TYPE]

H1 **[ASK IF SCR1 = 2]** You mentioned owning some gas, propane, fuel oil or kerosene equipment.

Would that be...

[MULTIPLE RESPONSE]

- 1 A natural gas furnace,
- 2 A gas fireplace,
- 3 A propane furnace,
- 4 A fuel oil furnace,
- 5 Kerosene heaters, or
- 6 Steam boiler using gas, oil, propane, or kerosene?
- 7 OTHER -- GAS/PROPANE/OIL/KEROSENE (SPECIFY)
- 9 DON'T KNOW / REFUSED

H2A-G **[ASK FOR ALL H1 NAMED]** Do you consider your **[SHOW RESPONSE FROM H1]**

to be your main source of heating, or does it work as a back-up source?

- 1 MAIN SOURCE
- 2 BACK-UP SOURCE
- 9 DON'T KNOW / REFUSED

H3A-G **[ASK FOR ALL H1 NAMED]** Do you have more than one **[SHOW RESPONSE FROM H1]** in your home, garage or workshop?

- 1 YES
- 2 NO **[SKIP TO H5A]**
- 9 DON'T KNOW / REFUSED **[SKIP TO H5A]**

H4A-G **[ASK FOR ALL H1 NAMED IF H3 = 1]** How many **[SHOW RESPONSE FROM H1]** do you have?

- ENTER NUMBER
- 8 DON'T KNOW
- 9 REFUSED

H5A-G [ASK FOR ALL H1 NAMED] How old do you estimate your / [MOST RECENT IF H3 = 1] [SHOW RESPONSE FROM H1] to be?

[IF NECESSARY: Your best guess is okay.]

____ NUMBER OF YEARS [ENTER 1 IF LESS THAN 1 YEAR]
98 DON'T KNOW
99 REFUSED

H5B [ASK IF H1 = 6 or 7] What type of fuel do you use in the [SHOW RESPONSE FROM H1 – STEAM BOILER OR "OTHER"]?

1 GAS
2 PROPANE
3 OIL
4 KEROSENE
8 DON'T KNOW
9 REFUSED

H6 [ASK IF H1 = 1, 2 OR H5B = 1] In an average winter month, how much is your typical gas bill?

[IF NECESSARY: Winter is October thru March.]

____ DOLLARS
998 DON'T KNOW
999 REFUSED

H7 [SKIP IF H6A-G > 997] Is [AMOUNT GIVEN IN H6] level-pay or just an average winter bill?

1 LEVEL PAY
2 AVERAGE MONTHLY WINTER BILL
8 DON'T KNOW
9 REFUSED

H8 [ASK IF H1 = 3, OR H5B = 3] How many gallons of propane did you burn this past winter?

[IF NECESSARY: Winter is October thru March.]

____ NUMBER OF GALLONS
998 DON'T KNOW
999 REFUSED

H9 **[SKIP IF H8A-G >997]** What do you typically pay per gallon?

_____ TYPE PRICE IN DOLLARS AND CENTS
9998 DON'T KNOW
9999 REFUSED

[DO NOT USE A DECIMAL; e.g., two dollars = 200]

H10 **[ASK IF H1=4 OR H5B = 2]** How many gallons of fuel oil did you burn this past
winter?

[IF NECESSARY: Winter is October thru March.]

_____ NUMBER OF GALLONS
98 DON'T KNOW
99 REFUSED

H11 **[SKIP IF H10A-G > 97]** What do you typically pay per gallon?

_____ TYPE PRICE IN DOLLARS AND CENTS
9998 DON'T KNOW
9999 REFUSED

[DO NOT USE A DECIMAL; e.g., two dollars = 200]

H12 **[ASK IF H1=5OR H5B = 4]** How many gallons of kerosene did you burn this past
winter?

[IF NECESSARY: Winter is October thru March.]

_____ NUMBER OF GALLONS
98 DON'T KNOW
99 REFUSED

H13 **[SKIP IF H12A-G > 97]** What do you typically pay per gallon?

_____ TYPE PRICE IN DOLLARS AND CENTS
9998 DON'T KNOW
9999 REFUSED

WOOD BURNING EQUIPMENT

[PROGRAMMING NOTE: GROUP W1-W31 BY EQUIPMENT TYPE]

W1 [IF SCR1 = 3] You mentioned that you own some wood burning equipment.
Would that be a...

- 1 Wood Stove,
- 2 Fireplace,
- 3 Fireplace Insert Stove,
- 4 Wood Furnace,
- 5 Steam Boiler Using Wood, or
- 6 Any Other Type Of Wood Burning Equipment? (SPECIFY)
- 9 DON'T KNOW / REFUSED

W2A-F [ASK FOR ALL NAMED IN W1] Do you consider your [SHOW RESPONSE FROM W1] to be your main source of heating, or does it work as a back-up source?

- 1 MAIN SOURCE
- 2 BACK-UP SOURCE
- 9 DON'T KNOW / REFUSED

W3A-F [ASK FOR ALL NAMED IN W1] Do you have more than one [SHOW RESPONSE FROM W1] in your home, garage or workshop?

- 1 YES
- 2 NO
- 9 DON'T KNOW / REFUSED

W4A-F [ASK IF W3 = 1] How many [SHOW RESPONSE FROM W1] do you have?

- ENTER NUMBER
- 8 DON'T KNOW
- 9 REFUSED

W5A-F [ASK FOR ALL NAMED IN W1 EXCEPT W1 = 2] What is the brand name [INSERT "NAMES" IF MORE THAN ONE IS INDICATED IN W4] of your [SHOW RESPONSE FROM W1]?

BRAND NAME: _____

[IF RESPONDENT DOESN'T KNOW, POLITELY ASK THE RESPONDENT TO GO AND LOOK]

- 1 *Earth Stove / Earth*
- 2 *Quadrafire (May Be Spelled Quadrasile)*
- 3 *Fisher*
- 4 *Blaze King*
- 5 *Country*
- 6 *Hurricane*
- 7 *New Englander / England / Englander*
- 8 *Lopi*
- 9 *Doesn't Say / No Name On Stove / No Brand Name*
- 10 *Homemade / Built By Friend Or Self*
- 11 *Other*
- 99 *Don't Know / Refused*

W6A-F **[ASK FOR ALL NAMED IN W1 EXCEPT W1 = 2]** How old do you estimate your /
[MOST RECENT IF W3 = 1] [SHOW RESPONSE FROM W1] to be?

[PROBE: Your best guess is okay.]

- NUMBER OF YEARS **[ENTER 1 IF LESS THAN 1 YEAR]**
- 98 DON'T KNOW
- 99 REFUSED

W7A-F **[ASK FOR ALL NAMED IN W1 EXCEPT W1 = 2]** Was the **[SHOW RESPONSE FROM W1]** new when you purchased it?

- 1 YES
- 2 NO
- 3 CAME WITH HOUSE
- 4 MADE IT / BUILT IT MYSELF
- 8 DON'T KNOW
- 9 REFUSED

W8A-F **[ASK FOR ALL NAMED IN W1 EXCEPT W1 = 2]** Is your existing **[SHOW RESPONSE FROM W1]** certified by the E.P.A.?

- 1 YES -- CERTIFIED
- 2 NO -- NOT CERTIFIED
- 3 NOT SURE -- MAYBE CERTIFIED
- 4 NOT SURE -- MAYBE NOT
- 8 DON'T KNOW
- 9 REFUSED

W9A-F **[ASK FOR ALL NAMED IN W1 EXCEPT W1 = 2]** Who installed your **[SHOW RESPONSE FROM W1]**? Did you.....

- 1 Install It Yourself, Have Help From A Friend Or Relative, Or
- 2 Did A Dealer Or Professional Install It?

- 3 OTHER
- 8 DON'T KNOW
- 9 REFUSED

W10A-F **[ASK FOR ALL NAMED IN W1]** How many days per week do you use your **[SHOW RESPONSE FROM W1]** in the winter?

[IF NECESSARY: CLARIFY NUMBER OF DAYS INDICATED IS PER WEEK – NOT PER MONTH: That would be xx days per week?]

[IF NECESSARY: Winter is October thru March.]

- 1 ONE (OR LESS)
- 2 TWO
- 3 THREE
- 4 FOUR
- 5 FIVE
- 6 SIX
- 7 SEVEN
- 8 DON'T KNOW
- 9 REFUSED

W11 Comparing the amount of wood that you usually burn on Saturday or Sunday with the amount you would normally burn on a week day, would you say that you usually...

- 1 Burn More Wood On Weekends,
- 2 Burn More Wood On Week Days, Or
- 3 Burn About the Same Amount Of Wood Every Day?
- 8 DON'T KNOW
- 9 REFUSED

W12 **[ASK IF SCR1 = 3] On a typical Saturday or Sunday**, about how many hours do you use your wood burning equipment?

[READ IF NECESSARY]

- 1 (0 – 3.9 Hours)
- 2 (4 – 7.9 Hours)
- 3 (8 – 11.9 Hours)
- 4 (12 – 15.9 Hours)
- 5 (16 – 19.9 Hours)
- 6 (20 – 23.9 Hours)
- 7 (Continuously)
- 8 DON'T KNOW
- 9 REFUSED

W14

[ASK IF SCR1 = 3] On a typical weekday, about how many hours do you usually burn wood?

[READ IF NECESSARY]

- 1 (0 – 3.9 Hours)
- 2 (4 – 7.9 Hours)
- 3 (8 – 11.9 Hours)
- 4 (12 – 15.9 Hours)
- 5 (16 – 19.9 Hours)
- 6 (20 – 23.9 Hours)
- 7 (Continuously)
- 8 DON'T KNOW
- 9 REFUSED

W16

[ASK IF SCR1 = 3] On an average day, about how many hours do you burn wood?

[READ IF NECESSARY]

- 1 (0 – 3.9 Hours)
- 2 (4 – 7.9 Hours)
- 3 (8 – 11.9 Hours)
- 4 (12 – 15.9 Hours)
- 5 (16 – 19.9 Hours)
- 6 (20 – 23.9 Hours)
- 7 (Continuously)
- 8 DON'T KNOW
- 9 REFUSED

W13

[ASK IF SCR1 = 3] During which parts of the day during the weekend do you burn the most wood...

[MULTIPLE RESPONSE]

- 1 Early Morning,
- 2 Mid Morning,
- 3 Noon,
- 4 Mid Afternoon,
- 5 Late Afternoon,
- 6 Evening,
- 7 Night, Or
- 8 During All Times Equally (BURN ALL DAY).
- 98 DON'T KNOW
- 99 REFUSED

W15 **[ASK IF SCR1 = 3]** Which parts of the day during the week, Monday through Friday, do you burn the most wood...

[MULTIPLE RESPONSE]

- 1 Early Morning,
- 2 Mid Morning,
- 3 Noon,
- 4 Mid Afternoon,
- 5 Late Afternoon,
- 6 Evening,
- 7 At Night, Or
- 8 All Parts Of The Day Equally (BURN ALL DAY)?
- 98 DON'T KNOW
- 99 REFUSED

W17 **[ASK IF SCR1 = 3]** On average, during which parts of the day do you burn the most wood...

[MULTIPLE RESPONSE]

- 1 Early Morning,
- 2 Mid Morning,
- 3 Noon,
- 4 Mid Afternoon,
- 5 Late Afternoon,
- 6 Evening,
- 7 At Night, Or
- 8 All Parts Of The Day Equally (BURN ALL DAY).?
- 98 DON'T KNOW
- 99 REFUSED

W18 **[ASK IF SCR1 = 3]** About how many cords of wood did you burn this winter (winter 2002)?

[IF NECESSARY: 1 cord ~ one pickup truck load of wood or a stack 4'x4'x8']

- ___ ENTER NUMBER OF CORDS OF WOOD **[ONE CORD OR LESS = 1]**
- 98 DON'T KNOW
- 99 REFUSED

W19 **[ASK IF SCR1 = 3]** About how many cords of wood did you burn last winter (winter 2001)?

[IF NECESSARY: 1 cord ~ one pickup truck load of wood or a stack 4'x4'x8']

_____ ENTER NUMBER OF CORDS OF WOOD **[ONE CORD OR LESS = 1]**

98 DON'T KNOW

99 REFUSED

W20 **[ASK IF SCR1 = 3]** About how many months would you say your wood is cut before it is used?

_____ ENTER NUMBER MONTHS **[ONE MONTH OR LESS = 1]**

98 DON'T KNOW

99 REFUSED

W21 **[ASK IF SCR1 = 3]** Is your wood split before it is used?

[READ OPTIONS IF NECESSARY]

1 (Yes)

2 (Most Of The Time)

3 (Sometimes / Half Of The Time)

4 (Not Usually)

5 (No)

8 DON'T KNOW

9 REFUSED

W22 **[ASK IF W21 < 5]** About how many months is your wood split before it is used?

_____ ENTER NUMBER MONTHS **[ONE MONTH OR LESS = 1]**

98 DON'T KNOW

99 REFUSED

W23 **[ASK IF SCR1 = 3]** Where do you store your wood...

1 Inside Your Home Or Heated Garage,

2 In An Enclosed But Unheated Area,

3 Outside And Covered, Or

4 Outside And Not Covered?

8 DON'T KNOW

9 REFUSED

W24 **[ASK IF SCR1 = 3]** Do you cut your own wood, or do you get it pre-cut or "delivered?"

- 1 CUT OWN WOOD
- 2 BUY IT PRE-CUT / DELIVERED
- 3 COMBINATION OF ABOVE
- 8 DON'T KNOW
- 9 REFUSED

W25 **[ASK IF SCR1 = 3]** The next questions deal with the kind of woods you burn. Do you burn...

- 1 Soft Wood From Evergreen Trees,
The Kind With Needles,
- 2 Hard Wood From Trees With Leaves,
- 3 Or Some Of Both Kinds.
- 8 DON'T KNOW
- 9 REFUSED

W26 **[ASK IF SCR1 = 3]** Do you happen to know the specific names of the kinds of wood you burn?

- 1 YES
- 2 NO
- 9 DON'T KNOW / REFUSED

W27 **[ASK IF W26 = 1]** What specific kinds of wood do you burn most often?

[MULTIPLE RESPONSE]

- 1 ALDER
- 2 COTTON WOOD
- 3 DOUGLAS FIR
- 4 FRUIT TREES
- 5 GRAND FIR
- 6 HEMLOCK
- 7 LODGE POLE PINE
- 8 TAMARACK
- 9 WHITE PINE
- 10 OTHER FIR
- 11 OTHER HARD WOOD
- 12 OTHER PINE
- 13 OTHER
- 98 DON'T KNOW
- 99 REFUSED

W28 **[ASK IF SCR1 = 3]** How often, if ever, do you use compressed wood logs – like Presto logs?

- 1 YES -- Often
- 2 YES -- Sometimes
- 3 NO -- Never
- 8 DON'T KNOW
- 9 REFUSED

W29 **[ASK IF W28 = 1 or 2]** About how many compressed wood logs do you burn each winter?

- _____ ENTER NUMBER OF COMPRESSED LOGS
- 9998 DON'T KNOW
 - 9999 REFUSED

W30 **[ASK IF SCR1 = 3]** Do you ever burn stuff like trash, newspapers, or other things in your heating equipment?

- 1 YES - Newspaper
- 2 YES - Trash
- 3 YES - Other
- 4 YES- COMBINATION OF ABOVE
- 5 NO
- 8 DON'T KNOW
- 9 REFUSED

COAL / PELLET BURNING EQUIPMENT USAGE
--

[PROGRAMMING NOTE: GROUP C1-C25 BY EQUIPMENT TYPE]

C1 **[ASK IF SCR1 = 4]** You mentioned that you own some coal or pellet burning equipment. Would that be a...

- 1 Pellet Stove, Or Other Pellet Burning Equipment,
- 2 Coal Stove, Or Other Coal Burning Equipment,
- 3 Steam Heater Using Pellets, Or
- 4 Steam Heaters Using Coal?
- 9 DON'T KNOW / REFUSED

C2A-D **[ASK FOR ALL NAMED IN C1]** Do you consider your **[SHOW RESPONSE FROM C1]** to be your main source of heating, or does it work as a back-up source?

- 1 MAIN SOURCE
- 2 BACK-UP SOURCE

9 DON'T KNOW / REFUSED

C3A-D [ASK FOR ALL NAMED IN C1] Do you have more than one [SHOW RESPONSE FROM C1] in your home, garage or workshop?

1 YES
2 NO
9 DON'T KNOW / REFUSED

C4A-D [ASK FOR ALL NAMED IN C1] How many [SHOW RESPONSE FROM C1] do you have?

— ENTER NUMBER
8 DON'T KNOW
9 REFUSED

C5A-D [ASK FOR ALL NAMED IN C1] How old do you estimate your / [MOST RECENT IF C3 = 1] [SHOW RESPONSE FROM C1] to be?

[PROBE: Best Guess Is Okay.]

— ENTER NUMBER OF YEARS [ENTER 1 IF LESS THAN 1 YEAR]
98 DON'T KNOW
99 REFUSED

C6 [ASK IF C1= 1 OR 3] Approximately how many tons of pellets did you use this winter (winter 2002)?

— ENTER NUMBER OF TONS [ONE TON OR LESS = 1]
98 DON'T KNOW
99 REFUSED

C7 [ASK IF C1= 1 OR 3] About how many tons of pellets did you use last winter (winter 2001)?

— ENTER NUMBER OF TONS [ONE TON OR LESS = 1]
98 DON'T KNOW
99 REFUSED

C8A-D [ASK FOR ALL NAMED IN C1] How many days per week do you use your [SHOW RESPONSE FROM C1] in the winter?

[IF NECESSARY: Winter is October thru March.]

1 ONE (OR LESS)
2 TWO
3 THREE
4 FOUR

- 5 FIVE
- 6 SIX
- 7 SEVEN
- 8 DON'T KNOW
- 9 REFUSED

C9 **[ASK IF C1 = 2 OR 4]** Approximately how many tons of coal did you use this winter (winter 2002)?

- ENTER NUMBER OF TONS **[ONE TON OR LESS = 1]**
- 98 DON'T KNOW
- 99 REFUSED

C10 **[ASK IF C1 = 2 OR 4]** About how many tons of coal did you use last winter (winter 2001)?

- ENTER NUMBER OF TONS **[ONE TON OR LESS = 1]**
- 98 DON'T KNOW
- 99 REFUSED

C11 **[ASK IF C1 = 1 OR 3]** Comparing the amount of pellets you usually burn on Saturday or Sunday with the amount you would normally burn on a week day, would you say that you usually...

- 1 Burn More On Weekends,
- 2 Burn More On Week Days, Or
- 3 Burn About The Same Amount Every Day.
- 8 DON'T KNOW
- 9 REFUSED

C12 **[ASK IF C1 = 1 OR 3]** On a typical Saturday or Sunday, about how many hours do you use your pellet burning equipment?

[READ IF NECESSARY]

- 1 (0 – 3.9 Hours)
- 2 (4 – 7.9 Hours)
- 3 (8 – 11.9 Hours)
- 4 (12 – 15.9 Hours)
- 5 (16 – 19.9 Hours)
- 6 (20 – 23.9 Hours)
- 7 (Continuously)
- 8 DON'T KNOW
- 9 REFUSED

C14 **[ASK IF C1 = 1 OR 3]** On a typical weekday, about how many hours do you usually use your pellet burning equipment?

[READ IF NECESSARY]

- 1 (0 – 3.9 Hours)
- 2 (4 – 7.9 Hours)
- 3 (8 – 11.9 Hours)
- 4 (12 – 15.9 Hours)
- 5 (16 – 19.9 Hours)
- 6 (20 – 23.9 Hours)
- 7 (Continuously)
- 8 DON'T KNOW
- 9 REFUSED

C16 **[ASK IF C1 = 1 OR 3]** On an average day, about how many hours do you use your pellet burning equipment?

[READ IF NECESSARY]

- 1 (0 – 3.9 Hours)
- 2 (4 – 7.9 Hours)
- 3 (8 – 11.9 Hours)
- 4 (12 – 15.9 Hours)
- 5 (16 – 19.9 Hours)
- 6 (20 – 23.9 Hours)
- 7 (Continuously)
- 8 DON'T KNOW
- 9 REFUSED

C13 **[ASK IF C1 = 1 OR 3]** During which parts of the day during the weekend do you burn the most pellets?

[MULTIPLE RESPONSE]

- 1 Early Morning,
- 2 Mid Morning,
- 3 Noon,
- 4 Mid Afternoon,
- 5 Late Afternoon,
- 6 Evening,
- 7 Night, Or
- 8 During All Times Equally (BURN ALL DAY).?
- 98 DON'T KNOW
- 99 REFUSED

C15 **[ASK IF C1 = 1 OR 3]** Which parts of the day during the week, Monday through Friday, do you burn most of your pellets?

[MULTIPLE RESPONSE]

- 1 Early Morning,
- 2 Mid Morning,
- 3 Noon,
- 4 Mid Afternoon,
- 5 Late Afternoon,
- 6 Evening,
- 7 Night, Or
- 8 During All Times Equally (BURN ALL DAY)..
- 98 DON'T KNOW
- 99 REFUSED

C17 **[ASK IF C1 = 1 OR 3]** On average, during which parts of the day do you burn most of your pellets?

[MULTIPLE RESPONSE]

- 1 Early Morning,
- 2 Mid Morning,
- 3 Noon,
- 4 Mid Afternoon,
- 5 Late Afternoon,
- 6 Evening,
- 7 Night, Or
- 8 During All Times Equally (BURN ALL DAY)..
- 98 DON'T KNOW
- 99 REFUSED

C18 **[ASK IF C1 = 2 OR 4]** Comparing the amount of coal you usually burn on Saturday or Sunday with the amount you would normally burn on a week day, would you say that you usually...

- 1 Burn More On Weekends,
- 2 Burn More On Week Days, Or
- 3 That You Burn About The Same Amount Every Day.
- 8 DON'T KNOW
- 9 REFUSED

C19 **[ASK IF C1 = 2 OR 4] On a typical Saturday or Sunday**, about how many hours do you use your coal burning equipment?

[READ IF NECESSARY]

- 1 (0 – 3.9 Hours)
- 2 (4 – 7.9 Hours)
- 3 (8 – 11.9 Hours)
- 4 (12 – 15.9 Hours)
- 5 (16 – 19.9 Hours)
- 6 (20 – 23.9 Hours)
- 7 (Continuously)
- 8 DON'T KNOW
- 9 REFUSED

C21 **[ASK IF C1 = 2 OR 3] On a typical weekday**, about how many hours do you usually use your coal burning equipment?

[READ IF NECESSARY]

- 1 (0 – 3.9 Hours)
- 2 (4 – 7.9 Hours)
- 3 (8 – 11.9 Hours)
- 4 (12 – 15.9 Hours)
- 5 (16 – 19.9 Hours)
- 6 (20 – 23.9 Hours)
- 7 (Continuously)
- 8 DON'T KNOW
- 9 REFUSED

C23 **[ASK IF C1 = 2 OR 4] On an average day**, about how many hours do you use your coal burning equipment?

[READ IF NECESSARY]

- 1 (0 – 3.9 Hours)
- 2 (4 – 7.9 Hours)
- 3 (8 – 11.9 Hours)
- 4 (12 – 15.9 Hours)
- 5 (16 – 19.9 Hours)
- 6 (20 – 23.9 Hours)
- 7 (Continuously)
- 8 DON'T KNOW
- 9 REFUSED

C20 **[ASK IF C1 = 2 OR 4]** During which parts of the day during the weekend do you usually burn the most coal?

[MULTIPLE RESPONSE]

- 1 Early Morning,
- 2 Mid Morning,
- 3 Noon,
- 4 Mid Afternoon,
- 5 Late Afternoon,
- 6 Evening,
- 7 Night, Or
- 8 During All Times Equally (BURN ALL DAY)..
- 98 DON'T KNOW
- 99 REFUSED

C22 **[ASK IF C1 = 2 OR 4]** Which parts of the day during the week, Monday through Friday, do you burn the most coal?

[MULTIPLE RESPONSE]

- 1 Early Morning,
- 2 Mid Morning,
- 3 Noon,
- 4 Mid Afternoon,
- 5 Late Afternoon,
- 6 Evening,
- 7 Night, Or
- 8 During All Times Equally (BURN ALL DAY)..
- 98 DON'T KNOW
- 99 REFUSED

C24 **[ASK IF C1 = 2 OR 4]** On average, during which parts of the day do you burn the most coal?

[MULTIPLE RESPONSE]

- 1 Early Morning,
- 2 Mid Morning,
- 3 Noon,
- 4 Mid Afternoon,
- 5 Late Afternoon,
- 6 Evening,
- 7 Night, Or
- 8 During All Times Equally (BURN ALL DAY)..
- 98 DON'T KNOW
- 99 REFUSED

PURCHASE BEHAVIOR / INTENT

[ASK OF ALL RESPONDENTS]

PUR1 Have you purchased any heating equipment for your current home?

- 1 YES
- 2 NO
- 8 DON'T KNOW
- 9 REFUSED

PUR2 **[ASK IF PUR1 = 1]** What heating equipment did you purchase for your current home?

- 1 BASE BOARD HEATERS
- 2 COAL STOVE
- 3 ELECTRIC FURNACE
- 4 FIREPLACE
- 5 FIREPLACE INSERT
- 6 FUEL OIL FURNACE
- 7 GAS FIREPLACE
- 8 HEAT PUMP
- 9 KEROSENE HEATERS
- 10 NATURAL GAS FURNACE
- 11 PELLET STOVE
- 12 PROPANE FURNACE
- 13 SPACE HEATERS
- 14 STEAM BOILER USING GAS / OIL / PROPANE / KEROSENE
- 15 STEAM BOILER USING WOOD OR COAL
- 16 WOOD FURNACE
- 17 WOOD STOVE
- 18 OTHER ELECTRIC
- 19 OTHER GAS / OIL / PROPANE / KEROSENE
- 20 OTHER WOOD OR COAL
- 21 OTHER (INCLUDING NEW HOME, SOLAR, OR GEOTHERMAL)
- 98 DON'T KNOW
- 99 REFUSED

PUR3 **[ASK IF PUR2 < 98]** How did you heat your home prior to purchasing your **[SHOW PUR2 RESPONSE]**?

- 1 BASE BOARD HEATERS
- 2 COAL STOVE
- 3 ELECTRIC FURNACE
- 4 FIREPLACE

- 5 FIREPLACE INSERT
- 6 FUEL OIL FURNACE
- 7 GAS FIREPLACE
- 8 HEAT PUMP
- 9 KEROSENE HEATERS
- 10 NATURAL GAS FURNACE
- 11 PELLET STOVE
- 12 PROPANE FURNACE
- 13 SPACE HEATERS
- 14 STEAM BOILER USING GAS / OIL / PROPANE / KEROSENE
- 15 STEAM BOILER USING WOOD OR COAL
- 16 WOOD FURNACE
- 17 WOOD STOVE
- 18 OTHER ELECTRIC
- 19 OTHER GAS / OIL / PROPANE / KEROSENE
- 20 OTHER WOOD OR COAL
- 21 OTHER (INCLUDING NEW HOME, SOLAR, OR GEOTHERMAL)
- 22 ALWAYS HEATED HOME THIS WAY
- 88 DON'T KNOW
- 99 REFUSED

PUR4 Do you plan to purchase any other heating equipment within the next year?

- 1 YES
- 2 NO
- 8 DON'T KNOW
- 9 REFUSED

PUR5 **[IF PUR4 = 1]** What kind of heating equipment do you plan to buy?

- 1 BASE BOARD HEATERS
- 2 COAL STOVE
- 3 ELECTRIC FURNACE
- 4 FIREPLACE INSERT
- 5 FUEL OIL FURNACE
- 6 GAS FIREPLACE
- 7 HEAT PUMP
- 8 KEROSENE HEATERS
- 9 NATURAL GAS FURNACE
- 10 PELLET STOVE
- 11 PROPANE FURNACE
- 12 SPACE HEATERS
- 13 STEAM BOILER -GAS/OIL/PROPANE/KEROSENE
- 14 STEAM BOILER-USING WOOD OR COAL
- 15 WOOD FURNACE
- 16 WOOD STOVE
- 17 OTHER ELECTRIC
- 18 OTHER GAS/OIL/PROPANE/KEROSENE
- 19 OTHER WOOD OR COAL

- 20 OTHER INCLUDING SOLAR AND GEOTHERMAL
- 98 DON'T KNOW
- 99 REFUSED

PUR6 [IF PUR4 = 1] Will this new equipment be replacement or add-on equipment?

- 1 REPLACEMENT
- 2 ADD-ON
- 8 DON'T KNOW
- 9 REFUSED

PUR7 [IF PUR4 = 1] Will this new heating equipment be....

- 1 Your Main Source Of Heat, Or
- 2 A Back-Up Source?
- 8 DON'T KNOW
- 9 REFUSED

POLLUTION KNOWLEDGE & AWARENESS
--

AW1 Do you think there is an air pollution problem in [COUNTY] county?

[READ IF NECESSARY]

- 1 (Yes, Definitely)
- 2 (Yes, Somewhat)
- 3 (No, Not Really)
- 4 (Definitely Not)
- 8 DON'T KNOW
- 9 REFUSED

AW2 What, in your opinion, are the main sources of pollution within [COUNTY] county?

[MULTIPLE SELECT]

- 1 NONE / THERE ARE NO POLLUTION SOURCES IN THE AREA
- 2 WOOD STOVES / WOOD BURNING
- 3 CARS / TRAFFIC
- 4 LOCAL INDUSTRY / FACTORIES / SMELTER WASTE PILES
- 5 FIRES (FOREST / GENERAL)
- 6 OTHER
- 8 DON'T KNOW
- 9 REFUSED

AW3 If you wanted to find out about the air quality in **[COUNTY]** county, what would you do?

[DO NOT READ, SELECT ALL THAT APPLY]

[CLARIFY: IF RESPONDENT INDICATES THE INTERNET, PLEASE CLARIFY WHETHER THE TYPE OF SITE – GOVERNMENT AGENCY WEBSITE OR JUST IN GENERAL].

- 1 CALL THE AIR QUALITY ADVISORY TELEPHONE LINE **[SKIP TO TEL1]**
- 2 CALL A GOVERNMENT AGENCY
- 3 READ THE NEWSPAPER
- 4 WATCH THE NEWS
- 5 INTERNET – GOVERNMENT AGENCY WEBSITE
- 6 INTERNET - GENERAL
- 7 OTHER
- 8 DON'T KNOW
- 9 REFUSED

AW4 Have you heard of the Air Quality Advisory telephone line available in **[COUNTY]** county?

- 1 YES
- 2 NO
- 8 DON'T KNOW
- 9 REFUSED

TECHNOLOGY

TEL1 **[ALL]** In 2002, was your home without telephone service?

[CLARIFY: Landline service only, do not include cellular telephone service]

- 1 YES
- 2 NO **[SKIP TO TEL3]**
- 9 DON'T KNOW / REFUSED **[SKIP TO TEL3]**

TEL2 [IF TEL1 = 1] How long were you without a telephone in your home?

[READ IF NECESSARY: Landline service only, do not include cellular telephone service]

- 1 Less than one month
- 2 More than one month but less than three months
- 3 More than three months but less than six months
- 4 Six months or more
- 9 DON'T KNOW / REFUSED

TEL3 [ALL] How many telephone numbers are associated with this household?

[READ IF NECESSARY: Landline service only, do not include cellular telephone service]

- ___ ENTER NUMBER (1 OR MORE)
- 99 DON'T KNOW / REFUSED

TEL4 [IF TEL3 > 1] How many telephone lines in your household are currently used strictly for non-voice communications, such as a dedicated fax or modem line?

[READ IF NECESSARY: Landline service only, do not include cellular telephone service]

- ___ ENTER NUMBER
- 99 DON'T KNOW / REFUSED

DEMOGRAPHICS

DEM3 This may seem silly, but I am required to ask. Are you male or female?

- 1 MALE
- 2 FEMALE
- 9 REFUSED

DEM4 What is the highest level of formal education you have completed...

[READ IF NECESSARY]

- 1 Some High School Or Less,
- 2 High School Graduate,
- 3 Some College/Vocational/Technical,
- 4 Four Year College Graduate, Or A
- 5 Post-Grad Or Professional Degree
- 9 DON'T KNOW / REFUSED

DEM5A What is your age?

- ___ ENTER EXACT AGE
- 99 DON'T KNOW / REFUSED

DEM5B **[IF DEM5A = 99]** In which of the following categories does your age fall?

- 1 Under 16 Years Of Age
- 2 16 Or 17 Years Old
- 3 18 To 24 Years Old
- 4 25 To 34 Years Old
- 5 35 To 54 Years Old
- 6 55 To 64 Years Old
- 7 65 Or Over?
- 9 REFUSED

DEM6 Which category best describes your employment status.... are you...

- 1 Self-Employed,
- 2 Employed By A Company Or Corporation,
- 3 Employed By A City, State Or Federal Government Office (Incl. Teachers),
- 4 Retired, Or
- 5 Unemployed?
- 6 OTHER
- 9 DON'T KNOW / REFUSED

DEM7A How Many People, Including Yourself, Live In Your Household?

— ENTER NUMBER LIVING IN HOUSEHOLD [IF = 1, SKIP TO DEM8]
99 REFUSED [SKIP TO DEM8]

DEM7B Of These [SHOW DEM7A] People, How Many Are Under 18 Years Of Age?

— ENTER NUMBER LIVING IN HOUSEHOLD
99 REFUSED

DEM7C Of These People [SHOW DEM7A], How Many Are Between The Ages Of 18 And 44?

— ENTER NUMBER LIVING IN HOUSEHOLD
99 REFUSED

DEM7D Of These People [SHOW DEM7A], How Many Are Between The Ages Of 45 And 64?

— ENTER NUMBER LIVING IN HOUSEHOLD
99 REFUSED

DEM7E Of These People [SHOW DEM7A], How Many Are Age 65 Or Older?

— ENTER NUMBER LIVING IN HOUSEHOLD
99 REFUSED

DEM8 This last question concerns income. Stop me when I read the number that comes closest to your household's total ANNUAL income.

- 1 \$10,000,
- 2 \$20,000,
- 3 \$30,000,
- 4 \$40,000,
- 5 \$50,000,
- 6 \$60,000, Or
- 7 \$70,000 or More?
- 9 DON'T KNOW / REFUSED

TERMINALS

- THANK1** That concludes our survey. Thank you very much for your participation. **[DISPOS = 40]**
- THANK2** Thank you for your time. Have a good day / evening. **[DISPOS = 22]**
- THANK3** Thank you for your time. Today we are looking for residents of Bonner and Shoshone counties. Have a good day / evening. **[DISPOS = 23]**
- THANK4** Those are all the questions I have. Have a good day / evening. **[DISPOS = 24]**
- THANK5** Thank you for your time, but I am unable to continue without that information. **[DISPOS = 8]**
- THANK6** **Thank you very much for your time. Today we are looking for those living in single family homes year round. [DISPOS = 27]**
- TKQUOTA** Thank you very much for your time, we have already completed our surveys with households in your area.
- DISPOS = 25 (BONNER COUNTY)**
DISPOS = 26 (SHOSHONE COUNTY)

DISPOSITIONS

<i>Disposition</i>	<i>Description</i>	<i>Display Type</i> <i>PISIIH</i>	<i>Property</i> <i>AIBICINIRI</i> <i>F</i>	<i>Incidence</i> <i>DIBII</i>
1	No Answer	P	A	D
2	Busy	P	B	D
3	Answering Machine	P	A	D
4	Disconnected / Nonworking	P	R	D
5	Initial Refusal (Callback to Convert)	S	R	D
6	Final Refusal	S	F	D
7	Never Call	S	N	D
8	Screeners Refusal	H	F	D
9	Communication Barrier	S	F	D
10	Language Barrier (Non-Spanish Only)	S	F	D
11	Callback Introduction	S	C	D
12	Privacy Manager	P	R	D
13	Verified Disconnected / Nonworking	P	F	D
14	Business	P	F	D
15	Spanish Language	S	F	D
20	Interview In Progress	I	C	I
21	Mid-terminate	I	F	I
22	No Adult in Household – 18/Kid's Line	H	F	D
23	Out of Area – Not With Specified Counties	H	F	B
24	Not Qualified – "Other" Fuel Source	H	F	D
25	OQ – Bonner County	H	F	B
26	OQ – Shoshone County	H	F	B
27	Retirement Home / Summer Home	H	F	D
40	Complete Interview	H	F	I

Display type:

P = Pre-screener – First screen with contact info
 S = Screener – After first screen, before QAL
 I = Interview – Between QAL and CPL
 H = Hidden – Not available to interviewer

Property:

A = Answering Machine / No Answer
 B = Busy
 C = Callback
 N = Never Call

Incidence:

D = Don't include
 B = Base Only
 I = Include

R = Refusal
F = Final

Verbatim Responses*E1: "You Mentioned Owning Some Electrical Heating Equipment. Would That Be...?"*

Respondent Number	Question	Post Code	Original Code	Verbatim Response
98	E1	4	5	Small Portable Electric Heater.
207	E1	4	5	Coleman Heater (Probably Space).
451	E1	4	5	Just A Little Electric Heater.
520	E1	4	5	Portable Heater.
546	E1	4	5	Small Heaters.
757	E1	4	5	Stationary Heaters.
44	E1	5	5	Heater.
91	E1	5	5	Just Know That It's Electric.
142	E1	5	5	Overhead Electric Heater. Light.
147	E1	5	5	Radiant Ceiling Heat.
234	E1	5	5	Electric Hot Water Boiler.
255	E1	5	5	Cadet Heaters.
264	E1	5	5	Cadet Heaters.
353	E1	5	5	Radiant Heat.
473	E1	5	5	Cadets.
572	E1	5	5	Gas Hot Water Hydraulics.
615	E1	5	5	Forced Air Furnace.
628	E1	5	5	Heating Panels.
787	E1	5	5	Radiant Heat.
838	E1	5	5	Central Heating.
88	E1	7	5	Electric Wall Heaters.
116	E1	7	5	Electric Heater In The Wall.
193	E1	7	5	Wall Heater.
235	E1	7	5	Heat Panel In The Wall.
239	E1	7	5	Forced Air Wall Heaters.
243	E1	7	5	Electric Wall Heaters.
249	E1	7	5	Wall Heater.
288	E1	7	5	Wall Heater.
328	E1	7	5	Electric Wall Heaters.
452	E1	7	5	Wall Heaters.
461	E1	7	5	Electric Heaters In The Wall.

Respondent Number	Question	Post Code	Original Code	Verbatim Response
467	E1	7	5	A Wall Heater In My Shop.
476	E1	7	5	Supplementary Wall Heaters.
620	E1	7	5	In-Wall Heaters.
623	E1	7	5	Wall Heater.
741	E1	7	5	Wall Heaters.
834	E1	7	5	Wall Heater.

H1: "You Mentioned Owning Some Gas, Propane, Fuel Oil, Or Kerosene Equipment. Would That Be...?"

Respondent Number	Question	Post Code	Original Code	Verbatim Response
662	H1	1	7	Gas Furnace With Electric Fan.
63	H1	2	7	Natural Gas Fireplace.
220	H1	2	7	Gas Insert In Fireplace.
741	H1	2	7	Gas Fireplace Insert.
757	H1	2	7	Fireplace Gas Inserts.
86	H1	3	7	Propane Heater.
302	H1	3	7	Propane Heater.
379	H1	3	7	Propane Heaters.
567	H1	3	7	Propane Heater.
842	H1	3	7	Propane Heater.
157	H1	4	7	Fuel Oil Heater.
229	H1	4	7	Waste Oil Furnace.
465	H1	4	7	Fuel Oil Heater.
310	H1	6	7	Gas Boiler.
46	H1	7	7	Gas Circulating Heater.
71	H1	7	7	Natural Gas Stove.
74	H1	7	7	Gas Stove.
82	H1	7	7	Propane Space Heater.
140	H1	7	7	Natural Gas Stove.
177	H1	7	7	Propane Stove.
205	H1	7	7	Oil Stove.
267	H1	7	7	Space Heater.
306	H1	7	7	Gas Heater.

Respondent Number	Question	Post Code	Original Code	Verbatim Response
331	H1	7	7	Combination Gas Furnace/ Steam Boil Gas.
346	H1	7	7	Kerosene Stove.
348	H1	7	7	Space Heaters.
349	H1	7	7	Fireplace Propane.
350	H1	7	7	Stove Propane.
407	H1	7	7	Dryer.
449	H1	7	7	Propane Stove.
456	H1	7	7	Propane Stove.
469	H1	7	7	Propane Fireplace.
472	H1	7	7	Natural Gas Stove.
474	H1	7	7	Propane Stove.
477	H1	7	7	Propane Cook Stove.
488	H1	7	7	Little Propane Heater.
492	H1	7	7	Propane, Hydraulic Heat.
499	H1	7	7	Kerosene Lamp.
524	H1	7	7	Fuel Oil Stove.
544	H1	7	7	Monitor Stove, Burning Stove Oil.
563	H1	7	7	Propane Stove.
572	H1	7	7	Gas Hydraulics.
588	H1	7	7	Natural Gas Heater.
592	H1	7	7	Big Hot Water Tank.
603	H1	7	7	Stove Oil.
638	H1	7	7	Radiant Heating.
646	H1	7	7	Stove And Hot Water Tank.
702	H1	7	7	Propane Wall Heater.
746	H1	7	7	Propane Heaters.
762	H1	7	7	Gas Forced Air Heater.
797	H1	7	7	Gas Hot Water Tank.
799	H1	7	7	Free Standing Stove.
815	H1	7	7	Natural Gas Central Heater.
832	H1	7	7	Propane Stove.

W1: "You Mentioned That You Owned Some Wood Burning Equipment. Would That Be A...?"

Respondent Number	Question	Post Code	Original Code	Verbatim Response
481	W1	1	6	Wood Burner.
518	W1	1	6	Wood Cook Stove.
335	W1	2	6	Rock Fire Place.
235	W1	4	6	Wood Heater.
522	W1	4	6	Wood Heater.
233	W1	5	6	Wood Boiler.
93	W1	6	6	Pellet Stove.
300	W1	6	6	Pellet Stove.
438	W1	6	6	Hot Water Heater Fired By Wood.
586	W1	6	6	Trash Burner.
603	W1	6	6	Wood Burning Boxes.

W5: "What Is The Brand Name Of Your Wood Burning Equipment?"

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
44	W5	1			Earth.
66	W5	1			Earth.
82	W5	1			Earth Stove.
184	W5	1			Earth Stove.
190	W5	1			Earth Stove.
217	W5	1			Earth Stove.
235	W5	1			Earth.
284	W5	1			Earth Stove.
417	W5	1			Earth Stove.
455	W5	1			Earth.
464	W5	1			Earth Stove.
475	W5	1			Earth Stove.
520	W5	1			Earth Stove.
522	W5	1			Earth Stove.
538	W5	1			Earth.
578	W5	1			Earth Stove.
591	W5	1			Earth Stove.
746	W5	1			Earth Stove.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
806	W5	1			Earth.
50	W5	2			Quadrafire.
129	W5	2			Quadrafire, Home Comfort Wood Cook Stove.
142	W5	2			Quadrafire.
199	W5	2			Quadrafire.
230	W5	2			Quadrafire.
315	W5	2			Quadrafire.
433	W5	2			Quadrafire.
460	W5	2			Quadrafire.
492	W5	2			Quadrafire
503	W5	2			Quadrafire.
544	W5	2			Quadrafire.
577	W5	2			Quadrafire.
577	W5	2			Quadrafire.
581	W5	2			Quadrafire.
607	W5	2			Quadrafire.
618	W5	2			Quadrafire.
628	W5	2			Quadrafire.
653	W5	2			Quadrafire.
686	W5	2			Quadrafire.
702	W5	2			Quadrafire
56	W5	3			Fisher.
57	W5	3			Fisher.
61	W5	3			Fisher.
67	W5	3			Fisher.
85	W5	3			Fisher.
87	W5	3			Fisher.
112	W5	3			Fisher.
114	W5	3			Fisher.
119	W5	3			Fisher.
131	W5	3	10		Fisher. One Is Homemade.
138	W5	3	11		Fisher, Plainsman.
185	W5	3			Fisher.
226	W5	3	10		One Is A Fisher. The Other's Built By Ron Ireland.
231	W5	3			Fisher.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
233	W5	3			Fisher.
278	W5	3			Fisher.
289	W5	3			Fisher.
294	W5	3			Fisher.
367	W5	3			Fisher.
371	W5	3			Fisher.
388	W5	3			Fisher.
402	W5	3			Fisher.
405	W5	3			Fisher.
432	W5	3	11		Fisher, Elmira.
443	W5	3			Fisher.
504	W5	3			Fisher.
528	W5	3			Fisher.
584	W5	3			Fisher.
626	W5	3			Fisher.
626	W5	3			Fisher.
719	W5	3			Fisher.
729	W5	3			Fisher.
737	W5	3			Fisher.
748	W5	3			Fisher.
817	W5	3			Fisher.
833	W5	3			Fisher.
847	W5	3			Fisher.
60	W5	4			Blaze King.
68	W5	4			Blaze King.
83	W5	4			Blaze King.
86	W5	4			Blaze King.
90	W5	4			Blaze King.
124	W5	4			Blaze King.
125	W5	4			Base King.
189	W5	4			Blaze King.
211	W5	4			Possible Blaze King.
216	W5	4			Blaze King.
229	W5	4			Blaze King.
232	W5	4			Blaze King.
237	W5	4			Blaze King.
243	W5	4	10		Blaze King, Homemade.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
281	W5	4			Blaze King.
327	W5	4			Blaze King.
375	W5	4			Blaze King.
379	W5	4			Blaze King.
399	W5	4			Blaze King.
407	W5	4			Blaze King.
409	W5	4			Blaze King For Both.
422	W5	4			Blaze King.
428	W5	4			Blaze King.
435	W5	4			Blaze King.
440	W5	4			Blaze King.
453	W5	4			Blaze King.
457	W5	4	2		Blaze King, Quadrafire.
479	W5	4			Blaze King.
524	W5	4			Blaze King.
526	W5	4			Blaze King.
546	W5	4			Blaze King.
548	W5	4			Blaze King.
561	W5	4			Blaze King.
565	W5	4			Blaze King.
580	W5	4			Blaze King.
589	W5	4			Blaze King.
595	W5	4			Blaze King.
605	W5	4			Blaze King.
608	W5	4			Blaze King.
672	W5	4			Blaze King.
685	W5	4			Blaze King.
687	W5	4			Blaze King.
706	W5	4			Blaze King.
714	W5	4			Blaze King.
726	W5	4			Blaze King.
727	W5	4			Blaze King.
764	W5	4			Blaze King.
822	W5	4			Blaze King.
80	W5	5			Country.
81	W5	5			Country.
136	W5	5	11		Country, Fireview.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
209	W5	5			Country Top.
240	W5	5			Country Stove.
326	W5	5			Country Comfort.
525	W5	5	9		Country Comfort, No Name.
665	W5	5			Country Comfort.
742	W5	5	10		Country Comfort. The One In The Garage Is Homemade.
759	W5	5			Country.
58	W5	6			Hurricane.
118	W5	6			Hurricane.
258	W5	6			Hurricane.
275	W5	6	99		Hurricane. Other In Garage Unknown.
430	W5	6			Hurricane.
704	W5	6			Hurricane.
804	W5	6			Hurricane.
76	W5	7			New Englander.
159	W5	7			England Stove.
248	W5	7			Englander.
328	W5	7			England.
666	W5	7			Englander.
669	W5	7			Englander.
93	W5	8			Lopi.
106	W5	8			Lopi.
171	W5	8	3		Lopi, Fisher And Third One Unknown.
286	W5	8			Lopi.
541	W5	8			Lopi.
643	W5	8			Lopi.
681	W5	8			Lopi.
51	W5	9			Went To Look But Couldn't Find The Brand Name.
54	W5	9			No Name On Stove.
94	W5	9			No Name On It.
107	W5	9			It Doesn't Say On It.
113	W5	9			Can't See Name On It.
141	W5	9			There Isn't One On It.
220	W5	9			No Name On It At All.
238	W5	9			It Doesn't Say.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
273	W5	9			No Name.
318	W5	9			No Name.
347	W5	9			They Don't Have Brand Names On Them.
359	W5	9			No Name.
389	W5	9			No Name On It.
396	W5	9			It's About 30 Years Old; There Isn't A Name On It.
426	W5	9			Don't See Any Name On It.
431	W5	9			No Name.
434	W5	9			Didn't See A Brand Name On It.
470	W5	9			No Name On It.
481	W5	9			Doesn't Have A Name On It.
485	W5	9			It's A 1930's Model; Doesn't Have A Name On It.
490	W5	9			It Doesn't Say.
517	W5	9			No Name.
534	W5	9			No Markings On The Stove.
555	W5	9			It Doesn't Show A Brand Name.
593	W5	9			Honestly Doesn't Have A Name On It.
631	W5	9			Can't Find It.
644	W5	9			It's Not On There.
762	W5	9			Doesn't Say On The Stove.
773	W5	9			No Name On It.
803	W5	9			No Name.
816	W5	9			No Name On It.
47	W5	10			It Was Build Here.
59	W5	10			No Name On Stove. I Think It's Homemade.
60	W5	10			Homemade.
65	W5	10			Don't Have One; They Were Built By A Friend.
92	W5	10			Fire View, 55-Gallon. Homemade.
108	W5	10			Homemade.
109	W5	10			Homemade Stove.
111	W5	10			Probably Homemade.
116	W5	10			Home Built.
122	W5	10			Homemade, Convector I Think.
123	W5	10	8		Home Built And Lopi.
130	W5	10			Home Built.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
132	W5	10			Both Are Homebuilt.
133	W5	10			Homemade.
137	W5	10			Home Built.
170	W5	10			Homemade.
179	W5	10			Homemade.
200	W5	10			Homemade.
223	W5	10			Barrel Stove Homemade.
227	W5	10			Homemade.
264	W5	10	2		Home Built, Barrel Style. Quadrafire.
279	W5	10			Homemade.
291	W5	10			Home Built.
323	W5	10			Homemade.
342	W5	10			Homemade.
351	W5	10			Hand Built.
366	W5	10			Homemade.
378	W5	10			It Was Homemade.
415	W5	10			Homemade.
424	W5	10			Homemade, All Of Them.
429	W5	10			Was An Insert That Was Made Into A Stove.
437	W5	10			Custom Made.
451	W5	10			I Don't Think There's Any Name On It. A Local Fellow Made It.
458	W5	10	11		Homemade. Longbluss.
476	W5	10			Steve Linger Made It.
502	W5	10			Homemade.
511	W5	10			Handmade.
527	W5	10			Homemade.
555	W5	10			They Are Both Home Built.
597	W5	10			Built Special By A Friend.
632	W5	10			Custom Made.
670	W5	10			Homemade.
671	W5	10			I Made It Myself.
676	W5	10			Built It Myself.
710	W5	10			Independent Shop Owner Made It.
735	W5	10			Friend Made It.
760	W5	10	11		Homemade. Great Northern.
786	W5	10			Homemade Wood Stove.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
791	W5	10			Homemade.
834	W5	10			Made Locally, But He Sold Out To Night Guard.
843	W5	10			Homemade.
45	W5	11			Timberline.
73	W5	11			Kuma.
77	W5	11			Waterford. Two Are Jotul.
93	W5	11			Avalon.
99	W5	11			A Vermont Stove.
110	W5	11			Valliant.
120	W5	11			Johnson.
121	W5	11			Regency.
134	W5	11			Convactor Welenco.
140	W5	11			Timberline.
140	W5	11			Washington Lumberman.
149	W5	11	4		Fireview, Blaze King.
160	W5	11			Northwest.
180	W5	11			Defiant.
192	W5	11			Warm Manning.
195	W5	11			Home Comfort.
204	W5	11			Fireplace Extraordinaire.
215	W5	11			Southern Comfort.
222	W5	11			Forge.
233	W5	11			Taylor.
234	W5	11			Tarm.
251	W5	11			Mamma Bear.
253	W5	11			Whitefield.
255	W5	11			Regency.
259	W5	11			All Nighter.
261	W5	11			Terra Cell.
266	W5	11			Monarch, Resolute.
270	W5	11			Schrader.
271	W5	11			Regal.
280	W5	11			Yellowstone Stove.
292	W5	11			Kent.
300	W5	11			Breckwell.
330	W5	11			Frontier.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
331	W5	11			Leopold From Quality Stoves In Post Falls.
332	W5	11			Timberline.
335	W5	11			Tulikvi.
354	W5	11			Schrader.
372	W5	11			Carrier.
377	W5	11			Forge.
380	W5	11			Super Sensitive.
384	W5	11			Shaffer Nighthawk.
385	W5	11	10		Liberty. Homemade.
391	W5	11			King Something.
392	W5	11			Osborne.
397	W5	11			Frontier.
425	W5	11			Welenco.
438	W5	11			Turboburn.
444	W5	11			Homart.
445	W5	11			Schrader.
450	W5	11			Schrader.
452	W5	11			Turboburn.
474	W5	11			Mercer.
477	W5	11	4	3	Sentry, Blaze King, Fisher.
486	W5	11			Underwriters Lab.
495	W5	11			Blaze Princess Stove.
510	W5	11			Majestic, Schrader, Jotul.
518	W5	11			Monarch.
529	W5	11			Mountain Air.
539	W5	11			Kodiak Canada.
546	W5	11			Regency.
552	W5	11			BW. That's The Only Marking I See On It And It's On The Regulator.
560	W5	11			Kingsford.
566	W5	11			Great Northern.
568	W5	11			Stove King.
582	W5	11			Colony Harce.
586	W5	11			Washington WKS.
590	W5	11			Hydrofling.
600	W5	11			Clayton.
603	W5	11			Sears, And Mamma Bear.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
609	W5	11			Hercules.
611	W5	11			Knight
612	W5	11			Monarch.
617	W5	11			Knightguard.
622	W5	11	10		Austriflame. The Other Is Homemade.
625	W5	11			Coleman.
663	W5	11			Meeker.
667	W5	11			Hot Diamond.
668	W5	11			Sears.
673	W5	11			Vermont Casting.
684	W5	11			Regency, Ponderay.
688	W5	11			Kuma.
694	W5	11			Sunrise.
695	W5	11			Fabco.
698	W5	11			Knightguard.
699	W5	11			Round Oak.
707	W5	11	3		Monarch And Fisher Fire.
712	W5	11			Forge.
724	W5	11			Sunrise.
736	W5	11			Coleman.
757	W5	11			Monarch.
787	W5	11			Blaze Princess.
789	W5	11			Woodsmen.
793	W5	11			Franklin.
794	W5	11			Schrader.
811	W5	11			Scott.
811	W5	11			Scott.
827	W5	11			Kuma.
829	W5	11			Frontier.
832	W5	11			Vermont Tasting.
837	W5	11			Welenco.
841	W5	11			Kingman.
79	W5	99			Can't Check; It's Out In The Shop.
102	W5	99			Don't Know.
116	W5	99			Unknown.
135	W5	99			Unknown.
139	W5	99			Unknown.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
154	W5	99			Don't Know.
162	W5	99			Don't Know, Was From True Value.
186	W5	99			Really Don't Know.
189	W5	99			No Idea.
241	W5	99			Unknown.
242	W5	99			Don't Know. Have Had It For Over Twenty Years.
267	W5	99			No.
282	W5	99			Don't Know.
283	W5	99			Arrow And Sunbeam.
287	W5	99			No.
288	W5	99			Don't Know.
301	W5	99			Unknown.
305	W5	99			No.
324	W5	99			Unknown.
343	W5	99			Don't Know.
353	W5	99			Don't Know.
364	W5	99			No Idea.
370	W5	99			No.
456	W5	99			Don't Know.
466	W5	99			No.
472	W5	99			No Clue.
533	W5	99			Unknown.
569	W5	99			I'm Cooking And The Stove Is In The Shop.
574	W5	99			Unknown, Out In Garage.
579	W5	99			No.
586	W5	99			Don't Want To Look.
587	W5	99			No.
599	W5	99			No.
616	W5	99			No.
629	W5	99			Don't Know; Never Used It.
640	W5	99			Don't Know.
683	W5	99			Can't, It's In Another Location.
703	W5	99			I Don't Know.
725	W5	99			No.
732	W5	99			Don't Know.
734	W5	99			Don't Know.

Respondent Number	Question	Post Code 1	Post Code 2	Post Code 3	Verbatim Response
740	W5	99			Don't Know.
751	W5	99			No.
767	W5	99			No.
783	W5	99			No.
802	W5	99			Don't Know And Don't Want To Look.
842	W5	99			Not Sure.